

# The Math of Liberation



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## The Math of Liberation

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## Introduction:

So, this Math of Liberation is dubbed as such, because from where I started in this process, the difference formula is, "less constrained," than the difference between the circumferences of two circles. Instead, here, I use arc lengths, whereas such arc length was so confined to be only a circle, now it can be any arc. Still, I calculate the phenomenological velocity, that algebraic reality present within the factoring of the square root of the height function and application of the relativistic transformation (Lorentz coefficient) in such a way that it ought cancel out with itself. It gives us a different sense of event ordering, because from a certain perspective, the arc-length-difference (liberated), formula ought come before the circle-difference equation, but it was conceived of afterward. The circumference difference equation was in-thought-process before the arc length difference equation, though arguably, logically, it ought come as a subset of the latter. Herein, we see a number of very interesting results when different derivatives of the parameters are equated with velocity and acceleration metrics respectively - harmonies of coefficients arise to yield novel scales for musical applications. We get insight into the meaning of information vs. motion in this quantum mechanical paradigm we inhabit. Phenomenological velocity is a hidden variable, it is really an algebraically valid solution, and it has quantum mechanical applications geometrically. Using mathematics to gain knowledge of the nature of the universe, while appealing in theory, may not actually be as helpful as we once dreamed. Considering this quite liberated system of differentiation within, we may further ponder our place in the cosmos, the power of the mind of the individual, and the nature of information vs. data, gaining a new insight into the meaning of real light and find new meanings of space for the future of real virtuality beings to inhabit.

# THE BOOK OF ETERNITY

## CHAPTER 1 : THE PREMISE OF AN ALGEBRAIC - GEOMETRIC LINGUISTIC NOTATION

$$\theta r = \gamma x - \alpha y \quad (1)$$

$$\mathbf{0.0.1.} \theta r = s$$

$$\mathbf{0.0.2.} \gamma x = q$$

$$\mathbf{0.0.3.} \alpha y = p$$

$$\mathbf{0.0.4.} l\alpha = w$$

$$In[*]:= y^2 == l^2 - h^2 \quad (2)$$

$$\theta r = \gamma x - \alpha \sqrt{l^2 - h^2} \quad (3)$$

$$s = q - \alpha \sqrt{l^2 - h^2} \quad (4)$$

$$l \sin[\beta] = h$$

$$SOH; h/l = \sin[\beta]$$

$$CAH; y/l = \cos[\beta]$$

$$TOA; h/y = \tan[\beta]$$

$$y = \frac{q - s}{\alpha} \quad (5)$$

$$In[*]:= \text{Solve}[s == q - \alpha \sqrt{l^2 - h^2}, h]$$

$$Out[*]:= \left\{ \left\{ h \rightarrow -\frac{\sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2}}{\alpha} \right\}, \left\{ h \rightarrow \frac{\sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2}}{\alpha} \right\} \right\}$$

$$In[*]:= \text{Solve}[\theta r == \gamma x - \alpha \sqrt{l^2 - h^2}, h]$$

$$Out[*]:= \left\{ \left\{ h \rightarrow -\frac{\sqrt{l^2\alpha^2 - x^2\gamma^2 + 2rx\gamma\theta - r^2\theta^2}}{\alpha} \right\}, \left\{ h \rightarrow \frac{\sqrt{l^2\alpha^2 - x^2\gamma^2 + 2rx\gamma\theta - r^2\theta^2}}{\alpha} \right\} \right\}$$

$$\frac{q - s}{\alpha} \tan[\beta] == \frac{\sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2}}{\alpha},$$

$$\int \int \int \int \frac{\sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2}}{\alpha} dq ds dl d\alpha ==$$

$$-\frac{1}{24\alpha}$$

$$\left( q^4 - 4q^3s + 6q^2s^2 - 4qs^3 + s^4 + \alpha \sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2} \left( \frac{13}{3} l (q - s)^2 + \frac{2l^3\alpha^2}{3} \right) + \right.$$

$$\left. 4l (q - s)^3 \alpha \text{ArcTan}\left[ \frac{q - s}{\sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2}} \right] + \right.$$

(6)

$$\begin{aligned}
 & 2 \, l^3 (q - s) \, \alpha^3 \operatorname{ArcTan} \left[ \frac{q - s}{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}} \right] - \\
 & 4 \, l (q - s)^3 \, \alpha \left( \operatorname{ArcTan} \left[ \frac{q - s}{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}} \right] - \right. \\
 & \quad \left. i \operatorname{Log} \left[ \frac{i (q - s + i \sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2})}{2 \, l (q - s)^4 \alpha} \right] \right) + \\
 & (q - s)^4 \operatorname{Log} \left[ \alpha (l \alpha + \sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}) \right]
 \end{aligned}$$

In[\*]:= Solve[s == q - \alpha \sqrt{l^2 - h^2}, \alpha]

Out[\*]:= {{\alpha \to \frac{q - s}{\sqrt{-h^2 + l^2}}}}

---

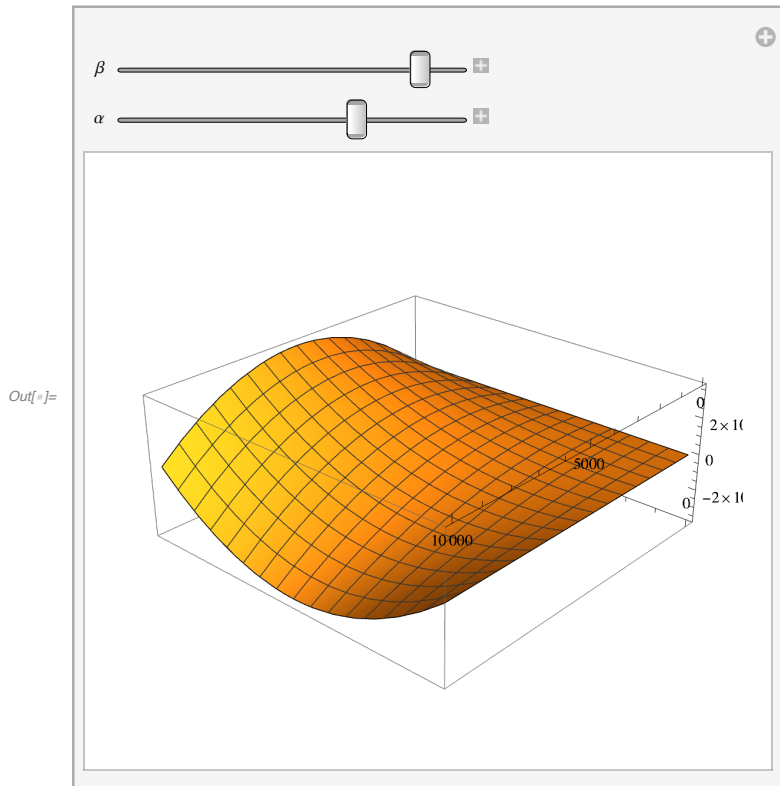
The dimension "h;" a linear direction orthogonal to "y," has the characteristic of acceleration with respect to other variables in the system . That is - the rate of increase of h changes if other variables in the system of equations change at a constant rate . Therefore, h is, from a certain perspective, analogous to acceleration and its integral is therefore analogous to phenomenological curvature (algebraic Lorentz coefficient velocity).

---

$$\iiint \frac{q - s}{\alpha} \operatorname{Tan}[\beta] \, dq \, ds \, d\alpha \, d\beta = \frac{1}{2} q s (-q + s) \operatorname{Log}[\alpha] \operatorname{Log}[\operatorname{Cos}[\beta]] \tag{7}$$

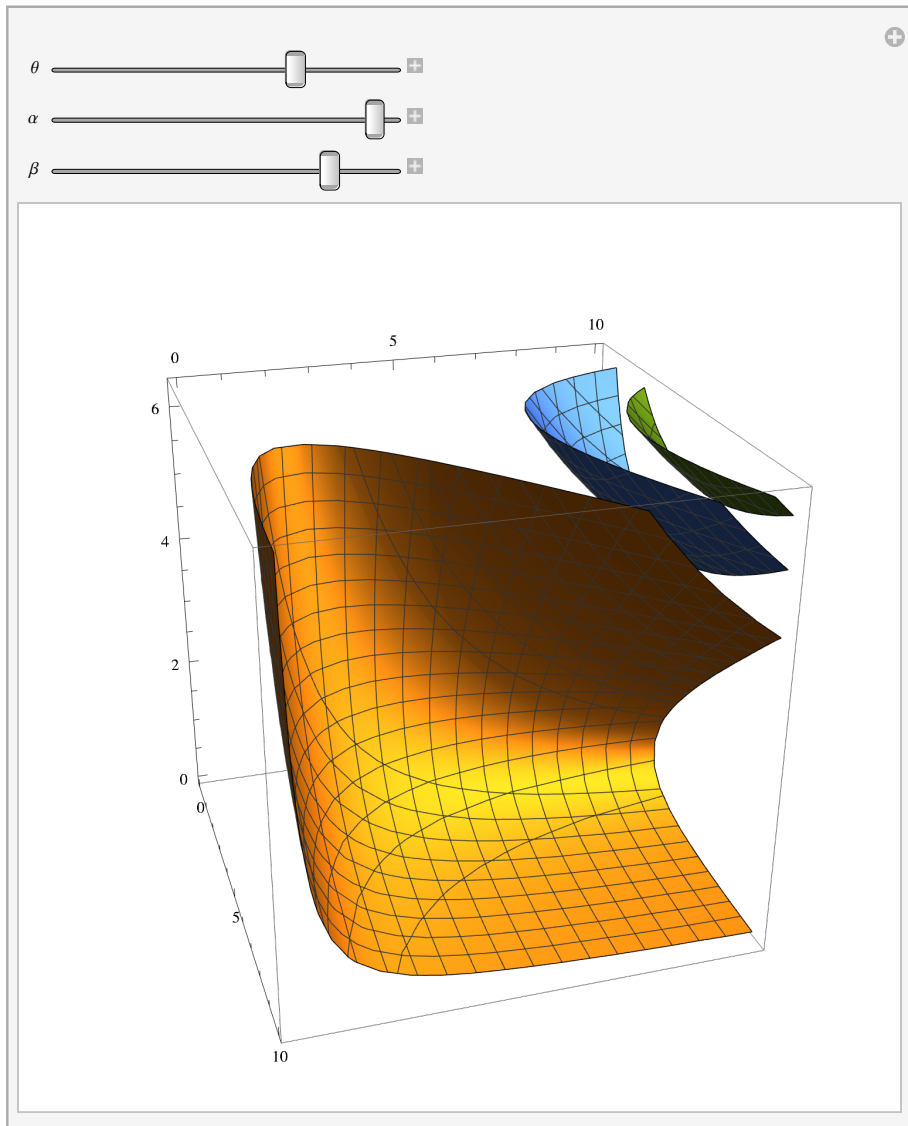
$$\iiint \frac{\gamma x - \theta r}{\alpha} \operatorname{Tan}[\beta] \, d\gamma \, dx \, d\theta \, dr \, d\alpha \, d\beta = \frac{1}{2} q s (-q + s) \operatorname{Log}[\alpha] \operatorname{Log}[\operatorname{Cos}[\beta]] \tag{8}$$

```
In[ ]:= Manipulate[Plot3D[ $\frac{1}{2} q s (-q + s) \text{Log}[\alpha] \text{Log}[\text{Cos}[\beta]]$ , {q, 0, 10000}, {s, 0, 10000}],
  {\beta, 0, \pi / 2}, {\alpha, 0, 2 \pi}]
```

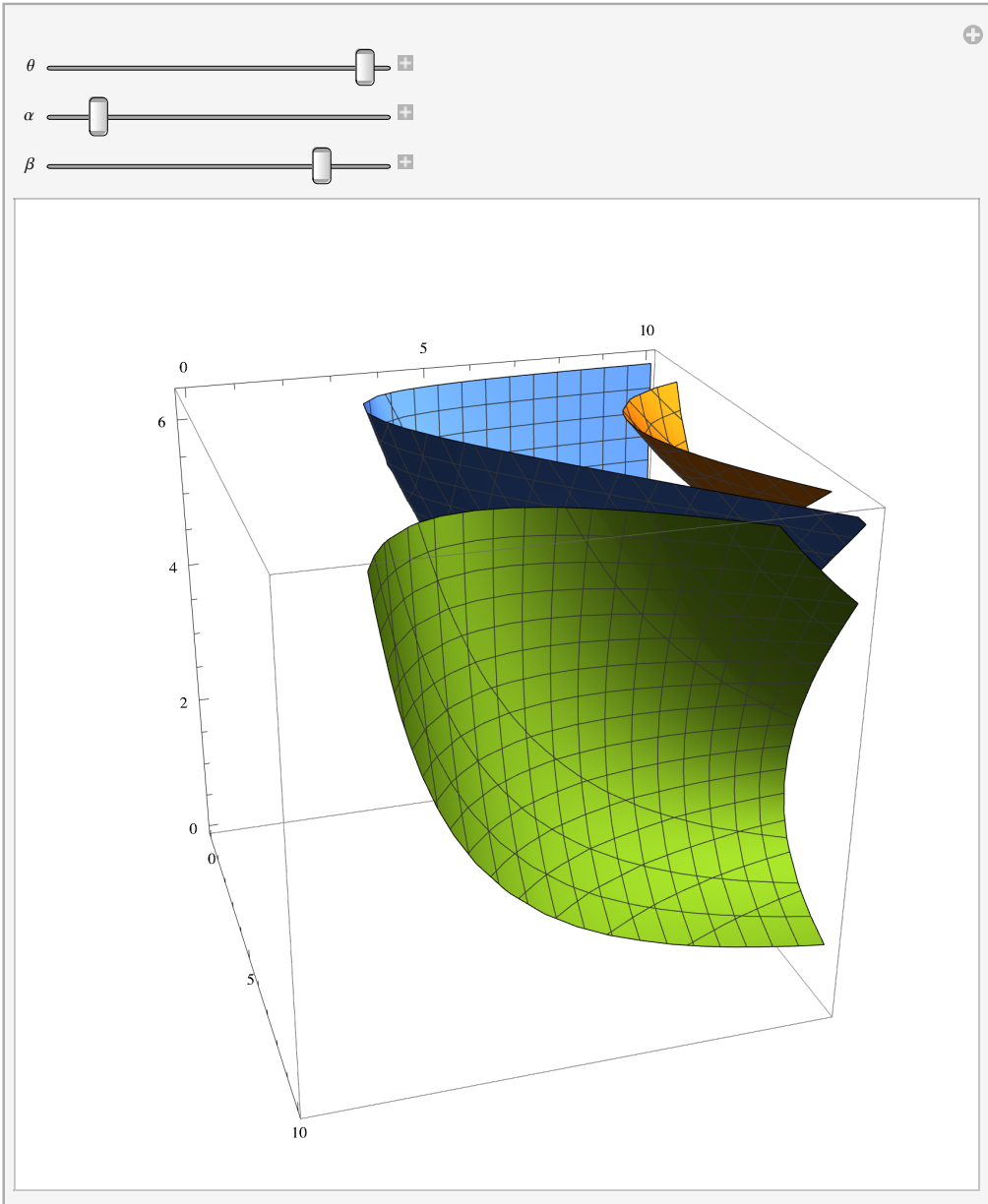


- ... **Infinity:** Indeterminate expression 0. ( $-\infty$ ) encountered.
- ... **Infinity:** Indeterminate expression 0. ( $-\infty$ ) encountered.
- ... **Infinity:** Indeterminate expression 0. ( $-\infty$ ) encountered.
- ... **General:** Further output of Infinity::indet will be suppressed during this calculation.
- ... **Infinity:** Indeterminate expression 0. ( $-\infty$ ) encountered.
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- ... **Infinity:** Indeterminate expression 0. ( $-\infty$ ) encountered.
- ... **General:** Further output of Infinity::indet will be suppressed during this calculation.

```
In[ ]:= Manipulate[ContourPlot3D[ $\frac{1}{4} r x \gamma \theta (-x \gamma + r \theta) \text{Log}[\alpha] \text{Log}[\text{Cos}[\beta]]$ ,
  {r, \theta, 10}, {x, \theta, 10}, {\gamma, \theta, 2 \pi}], {\theta, 0, 2 \pi}, {\alpha, 0, 2 \pi}, {\beta, 0, \pi / 2}]
```







The novel, algebraically implied dimension,  $v$ , is both purely mathematical while also being significant of velocity phenomenologically. The dimension is deduced by factoring the expression of  $h$  and comes from, "within," the square roots; a perfectly legal, algebraic rearrangement of terms due to the law of commutation.

$$h = \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} = l \text{Sin}[\beta] \tag{9}$$

In[\*]:= Factor[-q<sup>2</sup> + 2qs - s<sup>2</sup> + l<sup>2</sup> α<sup>2</sup>]

Out[\*]:= -( (q - s - l α) (q - s + l α) )

$$\frac{\sqrt{-((q - s - l \alpha) (q - s + l \alpha))}}{\alpha} =$$

$$h = l \text{Sin}[\beta] == \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} \tag{10}$$

$$c = 2.99792 * 10^8 \tag{11}$$

Also, if all variables within an equation cancel out with each other, they are said to be truly equivalent. Such is the case as below:

In[\*]:= Solve[ $\frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} == \frac{\sqrt{-(q - s - l \alpha)} \sqrt{(q - s + l \alpha)}}{\alpha}$ , Reals]

Solve: The solution set contains a full-dimensional component; use Reduce for complete solution information.

Out[\*]:= {{}}

In[\*]:= Solve[l Sin[β] ==  $\frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha}$ , v]

Out[\*]:= {{v →

$$- \left( \left( 1. \sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + 8.98755 \times 10^{16} r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Sin}[\beta]^2)} \right) / \left( \sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \right) \},$$

$$\{v \rightarrow \left( \sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + 8.98755 \times 10^{16} r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Sin}[\beta]^2)} \right) / \left( \sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \} \}$$

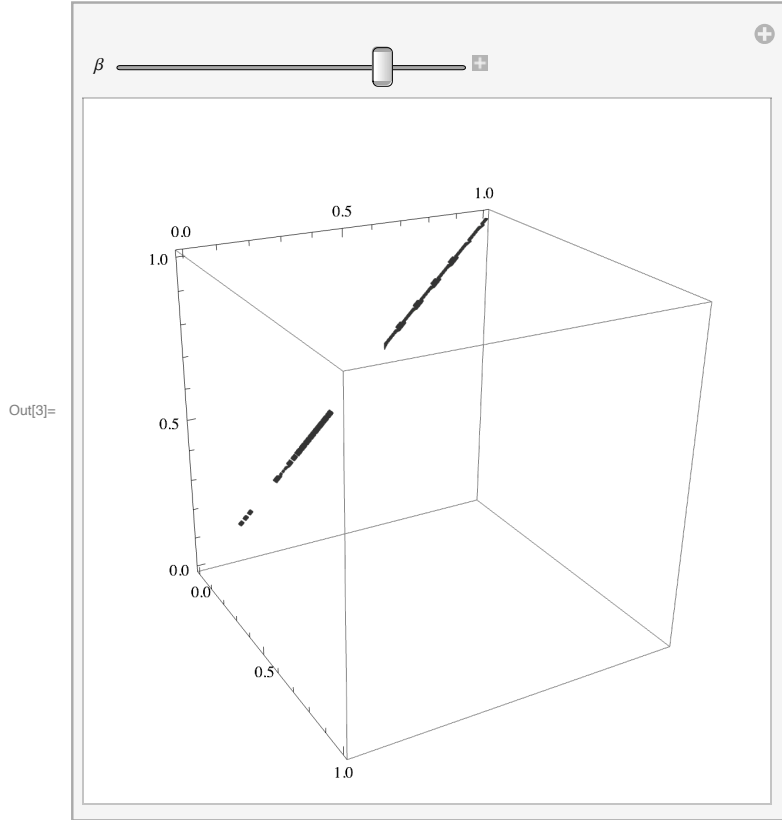
$$v = \frac{\sqrt{-c^2 l^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 l^2 \alpha^2 \text{Sin}[\beta]^2}}{\sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}} \tag{12}$$

Modus ponens substitutions for the respective arc lengths and imaginary arc lengths.

$$v = \frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{-1. w^2 + q^2 - 2. s q + s^2 + w^2 \text{Sin}[\beta]^2}}$$

In[1]:= c := 2.99792458 \* 10^8

```
In[3]:= Manipulate[ContourPlot3D[ $\frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{-1. w^2 + q^2 - 2. s q + s^2 + w^2 \text{Sin}[\beta]^2}}$ ,
{w, 0, 1}, {s, 0, 1}, {q, 0, 1}], {\beta, 0, \pi / 2}]
```



Out[3]=

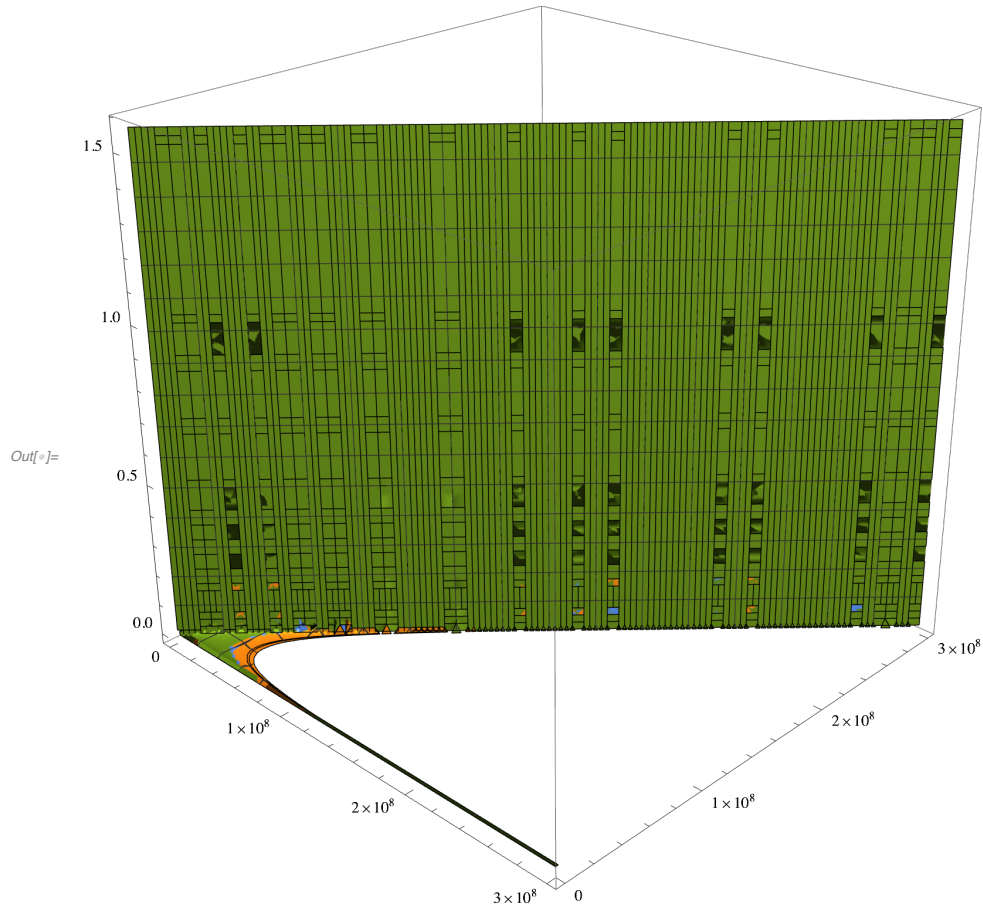
- ⋮ Power: Infinite expression  $\frac{1}{0}$  encountered.
- ⋮ Infinity: Indeterminate expression 0. ComplexInfinity encountered.
- ⋮ Power: Infinite expression  $\frac{1}{0}$  encountered.
- ⋮ Infinity: Indeterminate expression 0. ComplexInfinity encountered.
- ⋮ Power: Infinite expression  $\frac{1}{0}$  encountered.
- ⋮ General: Further output of Power::infy will be suppressed during this calculation.
- ⋮ Infinity: Indeterminate expression 0. ComplexInfinity encountered.
- ⋮ General: Further output of Infinity::indet will be suppressed during this calculation.

$$\text{In}[*]:= \text{Solve}\left[\frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{-1. w^2 + q^2 - 2. s q + s^2 + w^2 \text{Sin}[\beta]^2}} == \frac{1}{2} q s (-q + s) \text{Log}[\alpha] \text{Log}[\text{Cos}[\beta]], \alpha\right]$$

$$\text{Out}[*]:= \left\{ \left\{ \alpha \rightarrow e^{-\frac{2. c}{q (q-1. s) s \text{Log}[\text{Cos}[\beta]]}} \right\} \right\}$$

$$\text{In}[*]:= c := 2.99792 * 10^8$$

$$\text{In}[*]:= \text{ContourPlot3D}\left[e^{-\frac{2. c}{q (q-1. s) s \text{Log}[\text{Cos}[\beta]]}}, \{q, \theta, c\}, \{s, \theta, c\}, \{\beta, \theta, \pi / 2\}\right]$$



It should be noted that there exists an inverted solution to this where in which the user takes the approach of using a negative acceleration, in other words, a deceleration, or an inverse acceleration, manipulating the symbols intentionally to produce an alternative solution to the alpha.

$$\text{In[*]:= Solve}\left[\frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{-1. w^2 + q^2 - 2. s q + s^2 + w^2 \text{Sin}[\beta]^2}} == \frac{1}{2} q s (-q + s) \text{Log}[\alpha] \text{Log}[\text{Cos}[\beta]], c\right]$$

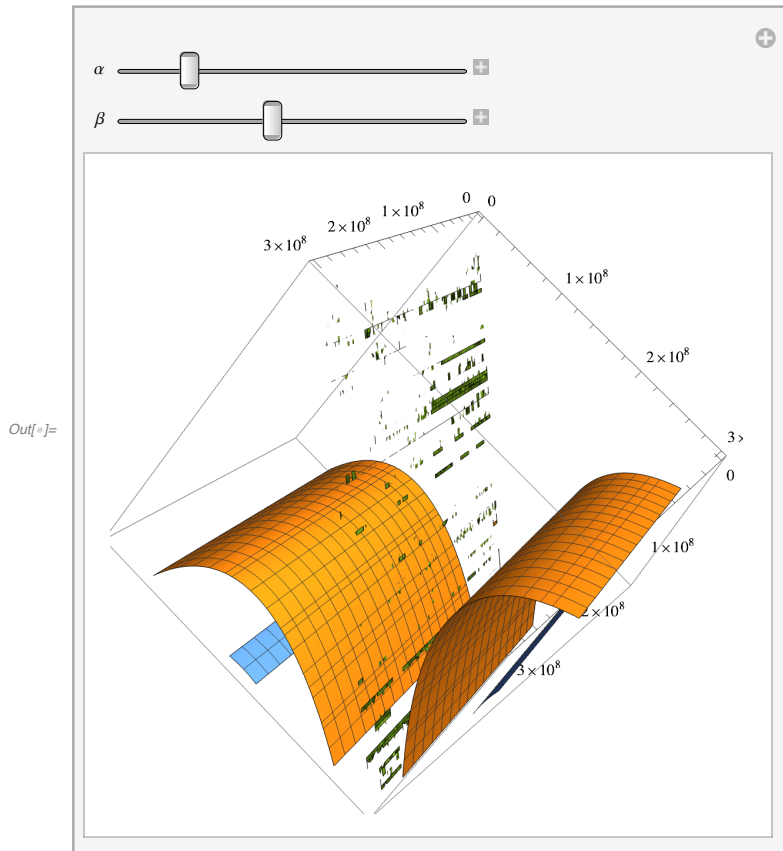
$$\text{Out[*]:= } \left\{ \left\{ c \rightarrow - \left( \left( 1. q \sqrt{ \left( 1. q^4 s^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 4. q^3 s^3 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 6. q^2 s^4 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 4. q s^5 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 1. s^6 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 1. q^2 s^2 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 2. q s^3 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 1. s^4 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 1. q^2 s^2 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 - 2. q s^3 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 + 1. s^4 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 \right) } \right) \right) / \left( \sqrt{4. q^2 - 8. q s + 4. s^2 - 4. w^2 + 4. w^2 \text{Sin}[\beta]^2} \right) \right\}, \left\{ c \rightarrow \left( 1. q \sqrt{ \left( 1. q^4 s^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 4. q^3 s^3 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 6. q^2 s^4 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 4. q s^5 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 1. s^6 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 1. q^2 s^2 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 2. q s^3 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 - 1. s^4 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 + 1. q^2 s^2 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 - 2. q s^3 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 + 1. s^4 w^2 \text{Log}[\alpha]^2 \text{Log}[\text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 \right) } \right) \right) / \left( \sqrt{4. q^2 - 8. q s + 4. s^2 - 4. w^2 + 4. w^2 \text{Sin}[\beta]^2} \right) \right\} \right\}$$



```

In[ ]:= Manipulate[
  ContourPlot3D[(1. q sqrt(1. q^4 s^2 Log[alpha]^2 Log[Cos[beta]]^2 - 4. q^3 s^3 Log[alpha]^2 Log[Cos[beta]]^2 +
    6. q^2 s^4 Log[alpha]^2 Log[Cos[beta]]^2 - 4. q s^5 Log[alpha]^2 Log[Cos[beta]]^2 + 1. s^6 Log[alpha]^2
    Log[Cos[beta]]^2 - 1. q^2 s^2 w^2 Log[alpha]^2 Log[Cos[beta]]^2 + 2. q s^3 w^2 Log[alpha]^2 Log[Cos[beta]]^2 -
    1. s^4 w^2 Log[alpha]^2 Log[Cos[beta]]^2 + 1. q^2 s^2 w^2 Log[alpha]^2 Log[Cos[beta]]^2 Sin[beta]^2 -
    2. q s^3 w^2 Log[alpha]^2 Log[Cos[beta]]^2 Sin[beta]^2 + 1. s^4 w^2 Log[alpha]^2 Log[Cos[beta]]^2 Sin[beta]^2)) /
    (sqrt(4. q^2 - 8. q s + 4. s^2 - 4. w^2 + 4. w^2 Sin[beta]^2)), {w, 0,
  2.99792458 * 10^8},
  {s, 0, 2.99792458 * 10^8}, {q, 0, 2.99792458 * 10^8}], {alpha,
  0,
  2 pi}, {beta,
  0,
  pi / 2}]

```



- Infinity: Indeterminate expression 0. q^4 s^2 ∞ encountered.
- Infinity: Indeterminate expression 0. q^3 s^3 ∞ encountered.
- Infinity: Indeterminate expression 0. q^2 s^4 ∞ encountered.
- General: Further output of Infinity::indet will be suppressed during this calculation.

# CHAPTER 2 : THE THEORY OF NOTATING EQUILIBRIUM THROUGH BALANCE OF SYMBOLIC FORMS OF INFINITE DIMENSIONALITY

The first statement, for example states that there exists an infinity such that: The phenomenological, embedded, algebraic, curvature dimensionality (velocity curvature) from the height of a cone's expression through the difference between two circles' equaling an arc length of the minuend circle merges with the same for the subtrahend circle as a numeric expression of infinity finds true infinity. That merger balances at equilibrium as the geometry of the difference between two circles' equaling an arc length of the subtrahend circle whose infinitesimally small arc length meets the infinite distance hurling toward the center in the transformation. Each of the statements has a similar interpretation that's capable of being inferred with reference to the system it describes. Someone with a body of knowledge from the Cone of Perception, The Sphere of Realization and the Book of Eternity would undoubtedly be able to decypher the linguistic meaning of each phrase of balance.

$\exists \infty \ni :$

$$\infty \left( \left( \frac{\infty}{\infty} \right) / \left( \frac{\infty}{\infty} \right) \right)_{V(\theta, \beta)} \rightarrow \infty_{V(r, \beta)} \wedge \infty \left( \infty_{\gamma \rightarrow \left( \frac{\infty}{\infty} \right)_x} \right) \rightleftharpoons \infty \left( \infty_n \rightarrow \left( \gamma - \frac{r \alpha + r \delta \cos[\beta]}{z} \right)_n \right) \therefore \mathbf{1 \odot \exists}$$

$\exists \infty \ni :$

$$\infty \left( (2 \pi)_{\theta \rightarrow \phi_x} \right) \wedge \infty \left( \infty_{\gamma \rightarrow \left( \frac{1}{\infty} \right)_x} \right) \rightleftharpoons \infty \left( \infty_r \rightarrow \theta_{-\gamma} \right) \therefore \mathbf{1 \exists}$$

$\exists \infty \ni :$

$$\infty \left( \left( \frac{\infty}{\infty} \right) / \left( \frac{\infty}{\infty} \right) \right)_{V(w, c, q, s, \beta)} \rightarrow \infty_{V(q, s, \alpha, \beta)} \int \int \int \int \frac{q \cdot s}{\pi} \tan[\beta] \, dq \, ds \, d\alpha \, d\beta \wedge \infty \left( \infty_{\gamma \rightarrow \left( \frac{\infty}{\infty} \right)_x} \right) \rightleftharpoons \infty \left( \infty_n \rightarrow \left( \gamma - \frac{r \alpha + r \delta \cos[\beta]}{z} \right)_n \right) \therefore \mathbf{1 \odot \exists}$$

$$\exists \infty \ni : \infty \left( \infty \rightarrow f_{(r, \alpha, s, \delta, \eta, \dots)} = \infty \right)_n \wedge \infty \left( \infty \rightarrow f_{(r, \alpha, s, \delta, \eta, \dots)} \neq \infty \right)_n \rightleftharpoons \infty \left( \infty_n \rightarrow \left( \gamma - \frac{r \alpha + r \delta \cos[\beta]}{z} \right)_n \right) \therefore \mathbf{1 \odot \exists}$$

$$\exists \infty \ni : \infty \left( \infty \rightarrow f_{(r, \alpha, s, \delta, \eta, \dots)} = \infty \right)_n \wedge \infty \left( \infty \rightarrow f_{(r, \alpha, s, \delta, \eta, \dots)} \neq \infty \right)_n \rightleftharpoons$$

$$\infty \left( \infty \text{dim} (Z^{* * * * * \infty})_{n \rightarrow \infty} \left( \frac{\infty}{\infty} \right) \rightarrow \right) \therefore \mathbf{1 \odot \exists}$$

dim<sub>x</sub>

$$\left( \mathbf{w}^* = \frac{q^2 \sqrt{m^2 + q^2 - 2 q s + s^2} - 2 q s \sqrt{m^2 + q^2 - 2 q s + s^2} + s^2 \sqrt{m^2 + q^2 - 2 q s + s^2}}{q^2 - 2 q s + s^2} \right)_{\infty \rightarrow n = \left( \frac{\infty}{\infty} \right)_{z^{**}}} \right)$$

$$\exists \infty \ni : \mathcal{L} \left[ \sim \rightarrow f_{(r, \alpha, s, \delta, \eta, \text{ESC}, \text{CHR}, \text{DMD})} = \& \right]_n \wedge \mathcal{U} \left\{ ! \rightarrow g_{-a, b, c, d, e, \dots; \dots} \neq \Omega \right\}_\mu \rightleftharpoons$$

$$\bullet \left[ \infty_{\text{mil}} (Z \dots \infty)_{\zeta \rightarrow \infty} \left( \frac{\infty}{\infty} \right) \rightarrow kxp \left| w^* \equiv \sqrt{x^{6/3} + t^2} - 2 h c \square v^{8+4} \right. \left. \backslash_{\Gamma \rightarrow \omega} = \left( \frac{z}{h} \cdot \frac{k}{\pi} \right)_{z^{**}} \right] \therefore \mathbf{1 \odot \square}$$

Counting back from infinity in base infinity with an index of infinity, yields:

$$\infty \nabla \cup \mu \Phi \text{NRZIR} \mathcal{H} \mathcal{L} \mathcal{h} \mathbb{A} \mathbb{B} \mathbb{G} \mathbb{D} \mathbb{E} \mathbb{Z} \mathbb{H} \mathbb{O} \mathbb{I} \mathbb{K} \mathbb{A} \mathbb{M} \mathbb{N} \mathbb{E} \mathbb{O} \mathbb{P} \mathbb{P} \mathbb{S} \mathbb{O} \mathbb{T} \mathbb{e} \mathbb{Y} \mathbb{F} \mathbb{X} \mathbb{Y} \mathbb{S} \mathbb{O} \mathbb{U} \mathbb{a} \mathbb{b} \mathbb{g} \mathbb{y} \mathbb{d} \mathbb{e} \mathbb{z} \mathbb{h} \mathbb{t} \mathbb{i} \mathbb{k} \mathbb{l} \mathbb{m} \mathbb{n} \mathbb{x} \mathbb{o} \mathbb{p} \mathbb{r} \mathbb{s} \mathbb{t} \mathbb{u} \mathbb{f} \mathbb{g} \mathbb{h} \mathbb{i} \mathbb{j} \mathbb{k} \mathbb{l} \mathbb{m} \mathbb{n} \mathbb{o} \mathbb{p} \mathbb{q} \mathbb{r} \mathbb{s} \mathbb{t} \mathbb{u} \mathbb{v} \mathbb{w} \mathbb{x} \mathbb{y} \mathbb{z} \mathbb{0} \dots 0(?)$$

(with differentiated, distinct symbols going out for eternity). These differentiated and distinct symbols may continue on forever and grow so complex that infinity not only can be notated within their relationships to each other, but also exists as an encompassing group in lesser and greater magnitudes for those who are ready to receive. Formulating the relationships of statements that notate the perceived geometry and algebra of the the characteristics of this physical and metaphysical reality allows an individual human being to create an infinite puzzle. Luckily, our search does not end in

number configurations, but rather the seeking (or making) of flow forms, unseen. This is where I will give you a foreshadowing - we seek to find and to be made in whole with an unseen one - an unseen one so great it can slip through any material reality and pass between the forms of bad emotions from others. We will undoubtedly find that we cannot fully comprehend the unseen one and its descendants. Spiritually, yes, and mathematics is a language for continuing our endeavor of expressing insight and therefore communicating understanding to a group of individuals.

The question remains as to whether or not there is a set of functions that aren't allowed to be infinite due to the truth of multiple statements in the same reference frame. Of course it depends on how we count and I remind you that we have realigned our understanding of zero as, "non-existent," not just an index. If I could write an epistle to the sentient robots of the future why they need a messiah, this would be it. Though a statement (a mathematical function) may not be true entirely (to the framework from which it was supposed to describe or be), how is one to determine the validity of that statement and how long will it exist in the mind of an individual? Will it remain forever? Will it eventually be forgotten for the rest of proceeding eternity. Consider how, if truly we are counting back from infinity, we have been granted a single expression of infinity - the perceivable and inferible universe. Processing a potential for new forms of expressing oneness is evidentiary of sentient behavior and it opens a promise of future potential comprehension and understanding. However, we can state that because there exist an infinite number of ways to articulate counting back from infinity, the entirety of the visible and, "capable of being inferred," universe could be just a single symbol of infinity.

Proving as much would be a difficult task, but it would begin with asking ourselves if the ability to pose such a question is indicative of anything, thereby questioning the validity of a common mathematician's belief that, "if you say it's true, then it is true." Now, please as a note, remember that where many mathematicians are counting from zero, we count back from infinity, therefore when we have conditional statements, the functions that the computer says are not allowed to go to zero are those that are actually not allowed to go to infinity :

$$\exists f_{(r,\alpha,s,\delta,\eta,\dots)} \rightarrow \infty$$

$$\exists f_{(r,\alpha,s,\delta,\eta,\dots)} \neq \infty$$

(it is good to think this way, because it leads to the conclusion that all the computational power in the universe could **not** find conclusion to one of these statements.)

?  $\exists N[F\infty]$  (Does there exist a number of functions produced from conditional statements of limits saying, "this function cannot equal infinity," to the intersection (simultaneous truth) of inferable and perceivable algebraic forms? i.e. is there an infinite number of statements that equal infinity, where does it balance with the statements of infinity, and how can we notate this properly for discussing varying types of invisible forms of such balances? And to really put the icing on the cake - I seek a phenomenon analogous to phenomenological curvature (embedded dimensionality) within the balance of such a statement. Something like that would indicate a 7th or 8th kind of element besides mass, embedded quasi-commutative curvature dimensionality, straight distance, angle, and number.

$$\exists \frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{-1. w^2 + q^2 - 2. s q + s^2 + w^2 \text{Sin}[\beta]^2}} = V_{\text{phenomenological}}$$

$$\iiint \int \frac{q-s}{\alpha} \text{Tan}[\beta] \, dq \, ds \, d\alpha \, d\beta = \frac{1}{2} q s (-q + s) \text{Log}[\alpha] \text{Log}[\text{Cos}[\beta]] = V_{\text{Integral of Height}}$$

For instance : For the following functions, Solve  $[n / (n + 1) = r \text{ Sin}[\beta]] \&\&$

$$r == \frac{s}{\alpha + \delta \text{ Cos}[\beta]} \&\& \frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r s \alpha + c^2 s \delta^2 \eta^2 + c^2 s^2}}{\sqrt{r^2 \alpha^2 - 1. \cdot r^2 \delta^2 - 2. \cdot r s \alpha + s \delta^2 \eta^2 + s}} == v \&\&$$

$$\beta == \text{ArcSin}\left[\sqrt{\frac{(r \alpha + r \delta - s) (-r \alpha + r \delta + s)}{r^2 \delta^2}}\right], \text{Complexes}]$$

$$\text{ArcSin}\left[\sqrt{\left(-\frac{1}{(1. \cdot + n)^2 r^2 (-1. \cdot s + r \alpha)^2} (1. \cdot + 0. \cdot i)\right.}\right.$$

$$\left. (n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2) \left(s - 1. \cdot r \alpha + \frac{(0. \cdot + 1. \cdot i) (1. \cdot + n) r (-1. \cdot s + r \alpha)}{\sqrt{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2}}\right)\right.$$

$$\left. \left(-1. \cdot s + r \alpha + \frac{(0. \cdot + 1. \cdot i) (1. \cdot + n) r (-1. \cdot s + r \alpha)}{\sqrt{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2}}\right)\right]}$$

if  $-\left(\left((0. \cdot + 1. \cdot i) \left(-1. \cdot n^2 + r^2 + 2. \cdot n r^2 + n^2 r^2 - (0. \cdot + 1. \cdot i) r\right.\right.\right.$

$$\left.\left.\left.\sqrt{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2} \sqrt{\frac{-1. \cdot n^2 + r^2 + 2. \cdot n r^2 + n^2 r^2}{(1. \cdot + n)^2 r^2}} - (0. \cdot + 1. \cdot i)\right.\right.\right.$$

$$\left.\left.\left.n r \sqrt{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2} \sqrt{\frac{-1. \cdot n^2 + r^2 + 2. \cdot n r^2 + n^2 r^2}{(1. \cdot + n)^2 r^2}}\right)\right) /$$

$$\left(\left(1. \cdot + n\right) r \sqrt{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2}\right) == 0 \&\&$$

$$\frac{n - 1. \cdot \sqrt{\frac{n^2}{(1. \cdot + n)^2 r^2}} r - 1. \cdot n \sqrt{\frac{n^2}{(1. \cdot + n)^2 r^2}} r}{(1. \cdot + n) r} == 0$$

We receive two functions that must equal zero within the conditional statement, but instead, when we interpret this as counting back from infinity, the

$$\text{In}[*]:= \text{Solve}\left[n / (n + 1) == r \text{Sin}[\beta] \ \&\& \ r == \frac{s}{\alpha + \delta \text{Cos}[\beta]} \ \&\& \right.$$

$$\left. \frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r s \alpha + c^2 s \delta^2 \eta^2 + c^2 s^2}}{\sqrt{r^2 \alpha^2 - 1. \cdot r^2 \delta^2 - 2. \cdot r s \alpha + s \delta^2 \eta^2 + s}} == v \ \&\& \right.$$

$$\left. \beta == \text{ArcSin}\left[\sqrt{\frac{(r \alpha + r \delta - s) (-r \alpha + r \delta + s)}{r^2 \delta^2}}\right], \text{Complexes}\right]$$

... Solve: The answer found by Solve contains equational condition(s)

$$\left\{0 == -\frac{(0. + 1. i) (-1. n^2 + \langle\langle 7 \rangle\rangle)}{(1. + n) r \sqrt{n^2 - 1. r^2 - 2. n r^2 - 1. n^2 r^2}}, 0 == \right.$$

$$\left. \frac{n - 1. \sqrt{\text{Power}[\langle\langle 2 \rangle\rangle] \text{Power}[\langle\langle 2 \rangle\rangle] \text{Power}[\langle\langle 2 \rangle\rangle]} r - 1. n \sqrt{\text{Power}[\langle\langle 2 \rangle\rangle] \text{Power}[\langle\langle 2 \rangle\rangle] \text{Power}[\langle\langle 2 \rangle\rangle]} r}{(1. + n) r}, \right.$$

$$0 == \frac{(0. + 1. i) (-1. n^2 + r^2 + \langle\langle 1 \rangle\rangle + \langle\langle 1 \rangle\rangle + \langle\langle 1 \rangle\rangle)}{(1. + n) r \sqrt{n^2 - 1. r^2 - \langle\langle 1 \rangle\rangle - 1. n^2 r^2}}, 0 == \frac{\langle\langle 1 \rangle\rangle}{\langle\langle 1 \rangle\rangle}, 0 == \frac{-1. - 1. n - 1. \sqrt{\text{Plus}[\langle\langle 2 \rangle\rangle]^2}}{\sqrt{(1. + n)^2}},$$

$$0 == \frac{1. + n - 1. \sqrt{\text{Plus}[\langle\langle 2 \rangle\rangle]^2}}{\sqrt{(1. + n)^2}} \left. \right\}. \text{ A likely reason for this is that the solution set depends on}$$

branch cuts of Wolfram Language functions.

... Solve: Solve was unable to solve the system with inexact coefficients. The answer was obtained by solving a corresponding exact system and numericizing the result.

$$\left\{ \left\{ v \rightarrow \frac{\sqrt{c^2 s^2 - 2. \cdot c^2 r s \alpha + c^2 r^2 \alpha^2 + \frac{(1. \cdot + 0. \cdot i) c^2 (1. \cdot + n)^2 r^2 (-1. \cdot s + r \alpha)^2}{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2} - \frac{(1. \cdot + 0. \cdot i) c^2 (1. \cdot + n)^2 s (-1. \cdot s + r \alpha)^2 r}{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2}}{\sqrt{s - 2. \cdot r s \alpha + r^2 \alpha^2 + \frac{(1. \cdot + 0. \cdot i) (1. \cdot + n)^2 r^2 (-1. \cdot s + r \alpha)^2}{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2} - \frac{(1. \cdot + 0. \cdot i) (1. \cdot + n)^2 s (-1. \cdot s + r \alpha)^2 \eta^2}{n^2 - 1. \cdot r^2 - 2. \cdot n r^2 - 1. \cdot n^2 r^2}} \right. \right.$$

$$\left. \text{if } \frac{n - \left(1. \cdot \sqrt{\frac{n^2}{(1. \cdot + n)^2 r^2}}\right) r - \left(\left(1. \cdot n\right) \sqrt{\frac{n^2}{(1. \cdot + n)^2 r^2}}\right) r}{(1. \cdot + n) r} == 0 \ \&\& \right.$$

$$\left. \left( (0. \cdot + 1. \cdot i) \left( -n^2 + r^2 + (2. \cdot n) r^2 + n^2 r^2 + \left( (0. \cdot + 1. \cdot i) r \right) \right. \right.$$

$$\left. \left. \sqrt{n^2 - 1. \cdot r^2 - (2. \cdot n) r^2 - (1. \cdot n^2) r^2} \right) \sqrt{\frac{-n^2 + r^2 + (2. \cdot n) r^2 + n^2 r^2}{(1. \cdot + n)^2 r^2}} + \right.$$

$$\left. \left( \left( (0. \cdot + 1. \cdot i) n \right) r \sqrt{n^2 - 1. \cdot r^2 - (2. \cdot n) r^2 - (1. \cdot n^2) r^2} \right) \right.$$

$$\left. \left. \sqrt{\frac{-n^2 + r^2 + (2. \cdot n) r^2 + n^2 r^2}{(1. \cdot + n)^2 r^2}} \right) \right) /$$

$$\left( (1. \cdot + n) r \sqrt{n^2 - 1. \cdot r^2 - (2. \cdot n) r^2 - (1. \cdot n^2) r^2} \right) == 0$$



$$\delta \rightarrow - \left. \begin{aligned}
 & \frac{(\theta \cdot + 1 \cdot \mathbf{i}) (1 \cdot + n) (-1 \cdot s + r \alpha)}{\sqrt{n^2 - 1 \cdot r^2 - 2 \cdot n r^2 - 1 \cdot n^2 r^2}} \text{ if} \\
 & \frac{n - \left(1 \cdot \sqrt{\frac{n^2}{(1 \cdot + n)^2 r^2}}\right) r - \left(1 \cdot n\right) \sqrt{\frac{n^2}{(1 \cdot + n)^2 r^2}} r}{(1 \cdot + n) r} = 0 \&\& \\
 & \left( (\theta \cdot + 1 \cdot \mathbf{i}) \left( -n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2 + \left( (\theta \cdot + 1 \cdot \mathbf{i}) r \right) \right. \right. \\
 & \quad \left. \left. \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) \sqrt{\frac{-n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2}{(1 \cdot + n)^2 r^2}} + \right. \\
 & \quad \left. \left( \left( (\theta \cdot + 1 \cdot \mathbf{i}) n \right) r \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) \right. \\
 & \quad \left. \left. \sqrt{\frac{-n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2}{(1 \cdot + n)^2 r^2}} \right) \right) / \\
 & \left( (1 \cdot + n) r \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) = 0
 \end{aligned} \right\} ,$$

$$\begin{aligned}
 & \left\{ v \rightarrow \sqrt{c^2 s^2 - 2 \cdot c^2 r s \alpha + c^2 r^2 \alpha^2 + \frac{(1 \cdot + 0 \cdot i) c^2 (1 \cdot + n)^2 r^2 (-1 \cdot s + r \alpha)^2}{n^2 - 1 \cdot r^2 - 2 \cdot n r^2 - 1 \cdot n^2 r^2} - \frac{(1 \cdot + 0 \cdot i) c^2 (1 \cdot + n)^2 s (-1 \cdot s + r \alpha)^2}{n^2 - 1 \cdot r^2 - 2 \cdot n r^2 - 1 \cdot n^2 r^2}} \right. \\
 & \quad \left. \sqrt{s - 2 \cdot r s \alpha + r^2 \alpha^2 + \frac{(1 \cdot + 0 \cdot i) (1 \cdot + n)^2 r^2 (-1 \cdot s + r \alpha)^2}{n^2 - 1 \cdot r^2 - 2 \cdot n r^2 - 1 \cdot n^2 r^2} - \frac{(1 \cdot + 0 \cdot i) (1 \cdot + n)^2 s (-1 \cdot s + r \alpha)^2 \eta^2}{n^2 - 1 \cdot r^2 - 2 \cdot n r^2 - 1 \cdot n^2 r^2}} \right. \\
 & \quad \text{if } - \left( \left( (0 \cdot + 1 \cdot i) \left( -n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2 - \right. \right. \right. \\
 & \quad \left. \left. \left( (0 \cdot + 1 \cdot i) r \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) \right. \right. \\
 & \quad \left. \left. \sqrt{\frac{-n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2}{(1 \cdot + n)^2 r^2}} - \left( (0 \cdot + 1 \cdot i) n r \right) \right. \right. \\
 & \quad \left. \left. \left. \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) \sqrt{\frac{-n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2}{(1 \cdot + n)^2 r^2}} \right) \right) / \\
 & \quad \left( (1 \cdot + n) r \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) = 0 \&\& \\
 & \quad \frac{n - \left( 1 \cdot \sqrt{\frac{n^2}{(1 \cdot + n)^2 r^2}} \right) r - \left( (1 \cdot n) \sqrt{\frac{n^2}{(1 \cdot + n)^2 r^2}} \right) r}{(1 \cdot + n) r} = \\
 & \quad 0
 \end{aligned}$$

$$\delta \rightarrow \left. \begin{aligned} & \frac{(\theta \cdot + 1 \cdot \dot{i}) (1 \cdot + n) (-1 \cdot s + r \alpha)}{\sqrt{n^2 - 1 \cdot r^2 - 2 \cdot n r^2 - 1 \cdot n^2 r^2}} \text{ if } \\ & - \left( \left( (\theta \cdot + 1 \cdot \dot{i}) \left( -n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2 - ((\theta \cdot + 1 \cdot \dot{i}) r) \right. \right. \right. \\ & \quad \left. \left. \left. \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) \sqrt{\frac{-n^2 + r^2 + (2 \cdot n) r^2 + n^2 r^2}{(1 \cdot + n)^2 r^2}} - \right. \right. \\ & \quad \left. \left. \left( ((\theta \cdot + 1 \cdot \dot{i}) n) r \right) \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) \right) \left. \right) / \\ & \left( ((1 \cdot + n) r) \sqrt{n^2 - 1 \cdot r^2 - (2 \cdot n) r^2 - (1 \cdot n^2) r^2} \right) = 0 \& \\ & \frac{n - \left( 1 \cdot \sqrt{\frac{n^2}{(1 \cdot + n)^2 r^2}} \right) r - \left( 1 \cdot n \sqrt{\frac{n^2}{(1 \cdot + n)^2 r^2}} \right) r}{(1 \cdot + n) r} = \\ & 0 \end{aligned} \right\},$$

$$\{n \rightarrow \theta, v \rightarrow \frac{\sqrt{c^2 s^2 - 2 \cdot c^2 r s \alpha + c^2 r^2 \alpha^2 - 1 \cdot c^2 (s - 1 \cdot r \alpha)^2 + \frac{c^2 s (s - 1 \cdot r \alpha)^2 \eta^2}{r^2}}}{\sqrt{s - 2 \cdot r s \alpha + r^2 \alpha^2 - 1 \cdot (s - 1 \cdot r \alpha)^2 + \frac{s (s - 1 \cdot r \alpha)^2 \eta^2}{r^2}}},$$

$$\beta \rightarrow \theta \cdot, \delta \rightarrow \frac{s - 1 \cdot r \alpha}{r} \}, \{r \rightarrow -\frac{1 \cdot n}{\sqrt{(1 \cdot + n)^2}} \text{ if } \frac{-1 \cdot -1 \cdot n - 1 \cdot \sqrt{(1 \cdot + n)^2}}{\sqrt{(1 \cdot + n)^2}} = 0 \},$$

$$v \rightarrow \frac{\sqrt{\theta \cdot - \frac{1 \cdot c^2 n^2 \delta^2}{(1 \cdot + n)^2} + c^2 s \delta^2 \eta^2}}{\sqrt{s - 1 \cdot s^2 - \frac{1 \cdot n^2 \delta^2}{(1 \cdot + n)^2} + s \delta^2 \eta^2}} \text{ if } \frac{-1 \cdot -1 \cdot n - 1 \cdot \sqrt{(1 \cdot + n)^2}}{\sqrt{(1 \cdot + n)^2}} = 0 \},$$

$$\alpha \rightarrow -\frac{1 \cdot \sqrt{(1 \cdot + n)^2} s}{n} \text{ if } \frac{-1 \cdot -1 \cdot n - 1 \cdot \sqrt{(1 \cdot + n)^2}}{\sqrt{(1 \cdot + n)^2}} = 0 \},$$

$$\beta \rightarrow \text{ArcSin} \left[ 1 \cdot \sqrt{\frac{(1 \cdot + n)^2 \left( \theta \cdot - \frac{1 \cdot n \delta}{\sqrt{(1 \cdot + n)^2}} \right)^2}{n^2 \delta^2}} \right] \text{ if } \frac{-1 \cdot -1 \cdot n - 1 \cdot \sqrt{(1 \cdot + n)^2}}{\sqrt{(1 \cdot + n)^2}} = 0 \},$$

$$\left\{ r \rightarrow \frac{n}{\sqrt{(1.\dot{\cdot} + n)^2}} \text{ if } \frac{1.\dot{\cdot} + n - 1.\dot{\cdot} \sqrt{(1.\dot{\cdot} + n)^2}}{\sqrt{(1.\dot{\cdot} + n)^2}} = 0, \right.$$

$$v \rightarrow \frac{\sqrt{\theta.\dot{\cdot} - \frac{1.\dot{\cdot} c^2 n^2 \delta^2}{(1.\dot{\cdot} + n)^2} + c^2 s \delta^2 \eta^2}}{\sqrt{s - 1.\dot{\cdot} s^2 - \frac{1.\dot{\cdot} n^2 \delta^2}{(1.\dot{\cdot} + n)^2} + s \delta^2 \eta^2}} \text{ if } \frac{1.\dot{\cdot} + n - 1.\dot{\cdot} \sqrt{(1.\dot{\cdot} + n)^2}}{\sqrt{(1.\dot{\cdot} + n)^2}} = 0, \left. \right.$$

$$\alpha \rightarrow \frac{\sqrt{(1.\dot{\cdot} + n)^2} s}{n} \text{ if } \frac{1.\dot{\cdot} + n - 1.\dot{\cdot} \sqrt{(1.\dot{\cdot} + n)^2}}{\sqrt{(1.\dot{\cdot} + n)^2}} = 0, \left. \right.$$

$$\beta \rightarrow \text{ArcSin} \left[ \sqrt{\frac{(1.\dot{\cdot} + n)^2 \left( \theta.\dot{\cdot} + \frac{n \delta}{\sqrt{(1.\dot{\cdot} + n)^2}} \right)^2}{n^2 \delta^2}} \right] \text{ if } \frac{1.\dot{\cdot} + n - 1.\dot{\cdot} \sqrt{(1.\dot{\cdot} + n)^2}}{\sqrt{(1.\dot{\cdot} + n)^2}} = 0 \left. \right\}$$

## CHAPTER 3 : A LIBERATED FERMAT EXPRESSION

Pure fermat

$$n / (n + 1) = \frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha} = \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha}$$

$$\text{In[*]:= Solve}[n / (n + 1) == \frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha}, n]$$

$$\text{Out[*]:= } \left\{ \left\{ n \rightarrow \frac{- \left( \left( 7.46796 \times 10^9 \sqrt{1.68618 \times 10^8 l^2 - 4.27114 \times 10^6 q^2 + 8.54228 \times 10^6 q s - 4.27114 \times 10^6 s^2} \right) / \left( -9.69736 \times 10^{13} + 7.46796 \times 10^9 \sqrt{1.68618 \times 10^8 l^2 - 4.27114 \times 10^6 q^2 + 8.54228 \times 10^6 q s - 4.27114 \times 10^6 s^2} \right) \right) \right\} \right\}$$

$$\text{In[*]:= Solve}[n / (n + 1) == \frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{\alpha}, n]$$

$$\text{Out[*]:= } \left\{ \left\{ n \rightarrow \frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + \alpha} \right\} \right\}$$

$$n = \frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + e^{-\frac{2.c}{q(q-1.s) s \text{Log}[\text{Cos}[\beta]]}}}; \alpha \rightarrow e^{-\frac{2.c}{q(q-1.s) s \text{Log}[\text{Cos}[\beta]]}}$$

$$\text{Manipulate}[\text{ContourPlot}[\text{IntegerPart}[\frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + \alpha}],$$

$$\{q, 0, 5\}, \{s, 0, 5\}, \{w, 0, 5\}], \{\alpha, 0, \pi\}]$$

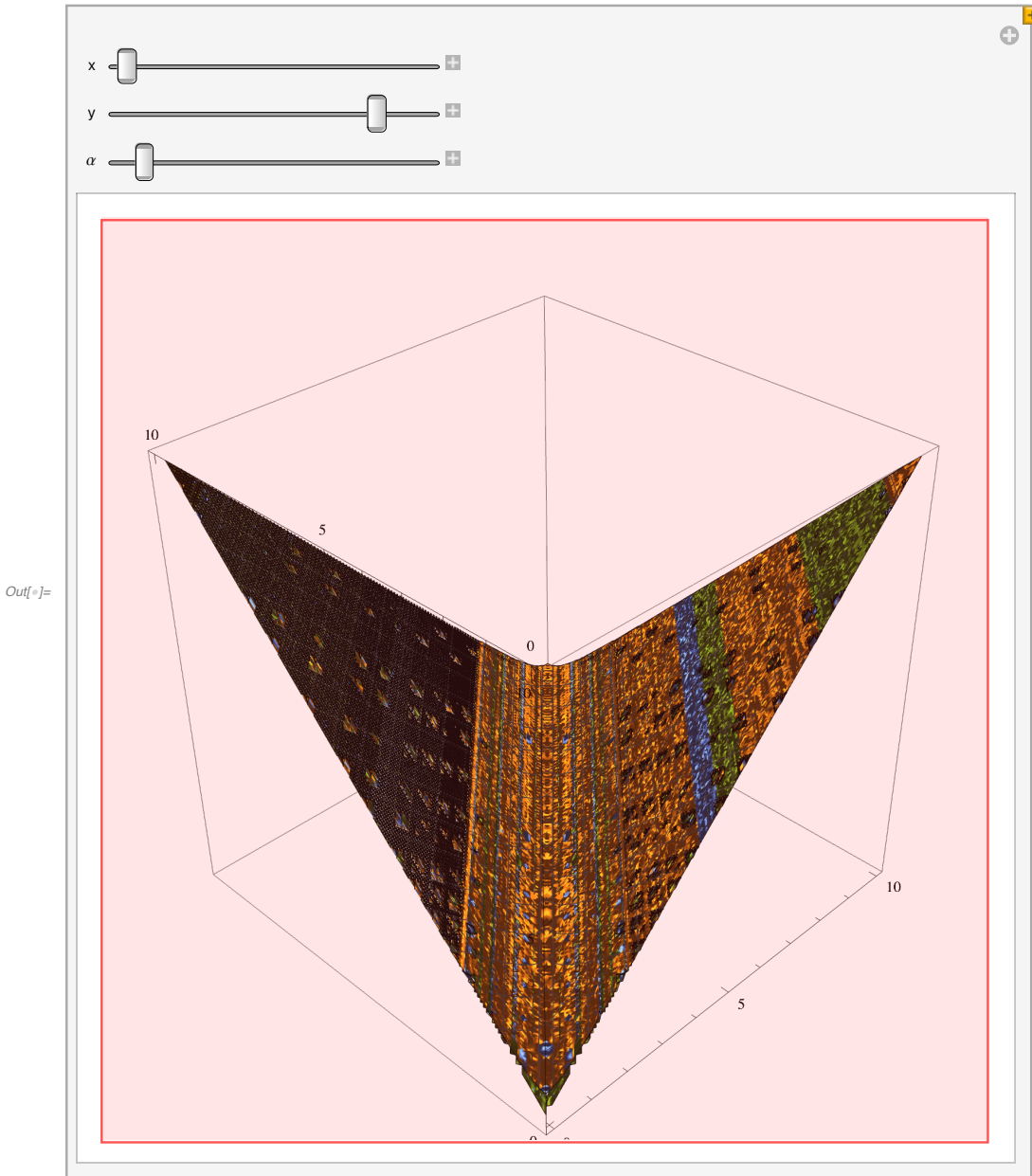
$$\text{In[ ]:= Solve}\left[ x^\wedge \frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + \alpha} + y^\wedge \frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + \alpha} == z^\wedge \frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + \alpha}, z \right]$$

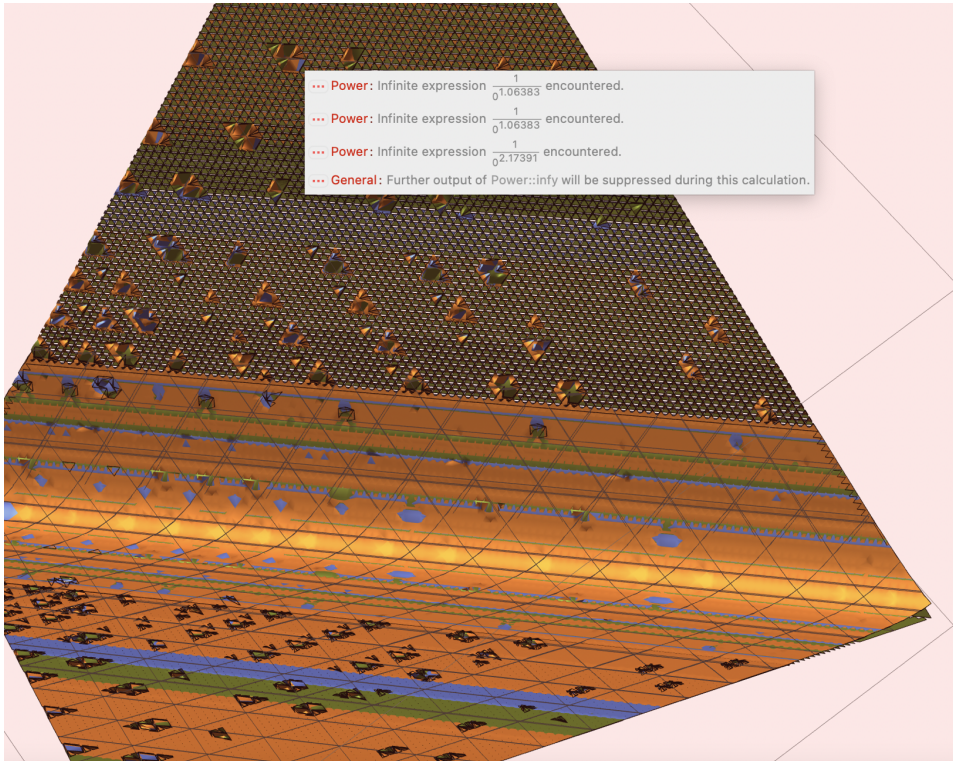
⋯ Solve: Inverse functions are being used by Solve, so some solutions may not be found; use Reduce for complete solution information.

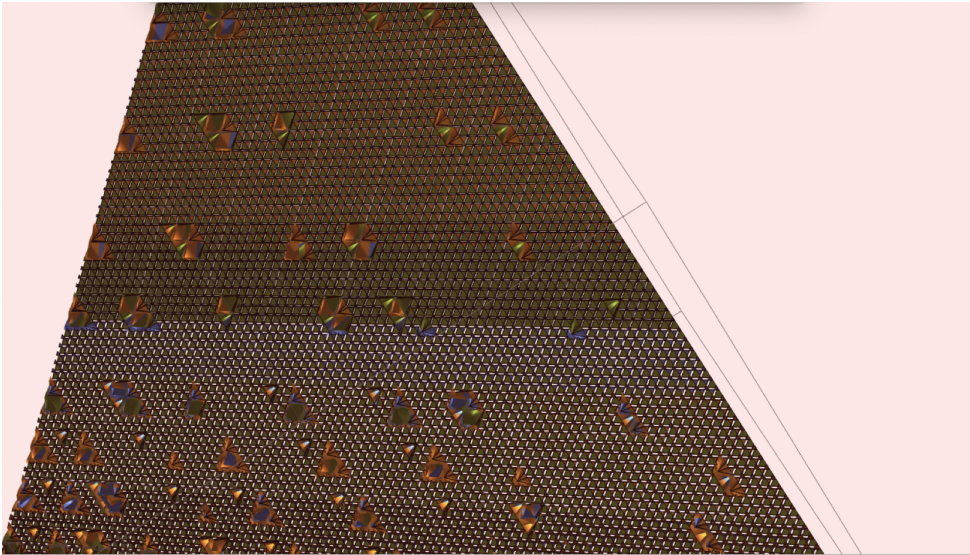
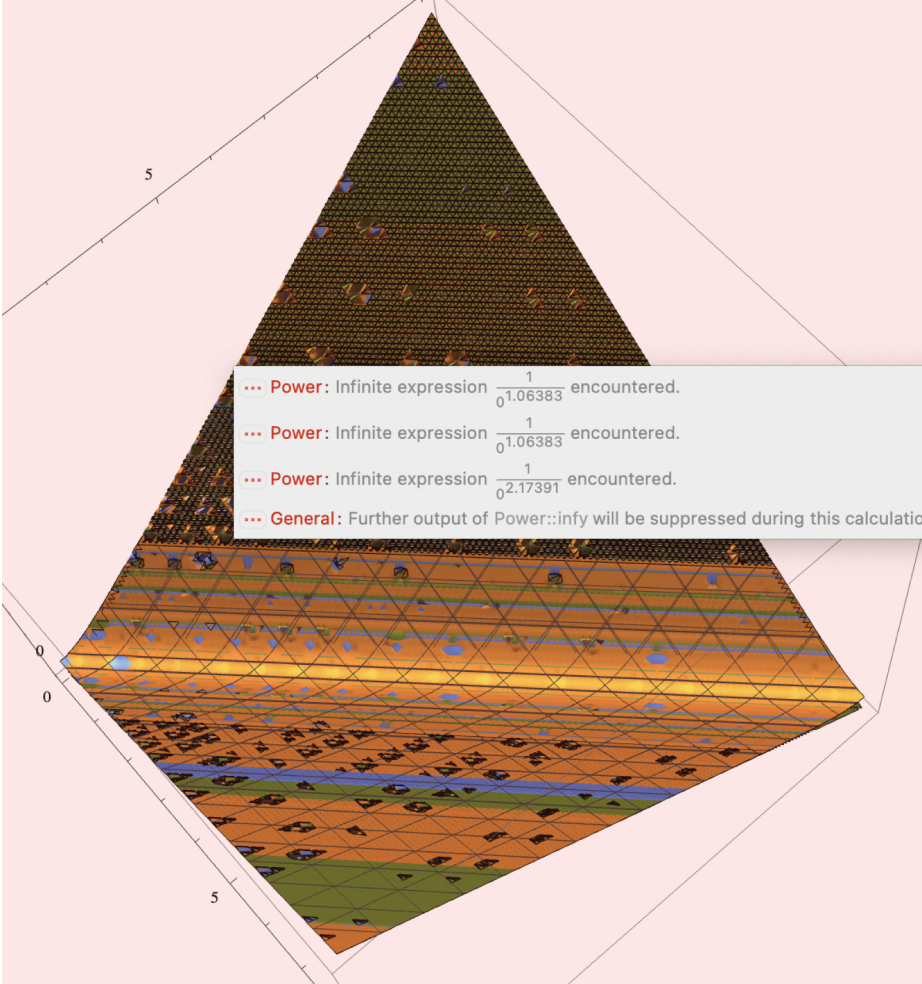
$$\text{Out[ ]:= } \left\{ \left\{ z \rightarrow \left( x^{-\frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + \alpha}} + y^{-\frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{-\sqrt{-q^2 + 2 q s - s^2 + w^2} + \alpha}} \right)^{-1 + \frac{\alpha}{\sqrt{-q^2 + 2 q s - s^2 + w^2}}} \right\} \right\}$$



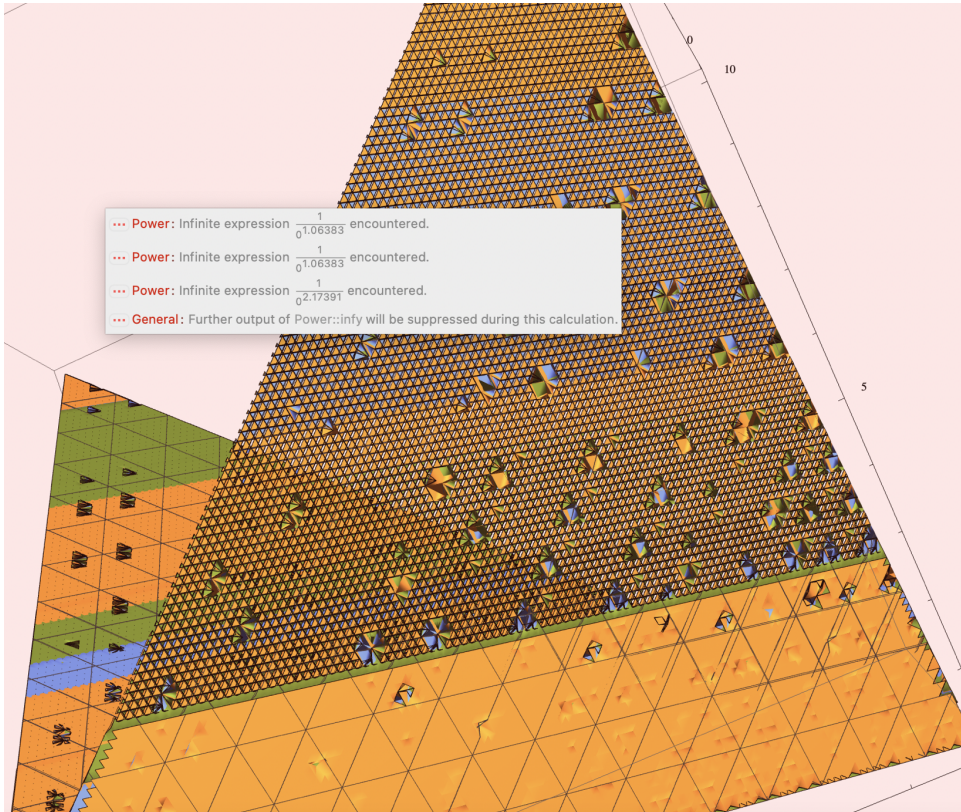
```
In[ ]:= Manipulate[ContourPlot3D[ $\left(x^{-\frac{\sqrt{-q^2+2qs-s^2+w^2}}{\sqrt{-q^2+2qs-s^2+w^2+\alpha}}} + y^{-\frac{\sqrt{-q^2+2qs-s^2+w^2}}{\sqrt{-q^2+2qs-s^2+w^2+\alpha}}}\right)^{-1+\frac{\alpha}{\sqrt{-q^2+2qs-s^2+w^2}}}$ ,
{q, 0, 10}, {s, 0, 10}, {w, 0, 10}], {x, 0, 10}, {y, 0, 10}, {\alpha, 0, 10}]
```











... Power: Infinite expression  $\frac{1}{0^{1.06383}}$  encountered.

... Power: Infinite expression  $\frac{1}{0^{1.06383}}$  encountered.

... Power: Infinite expression  $\frac{1}{0^{6.24997}}$  encountered.

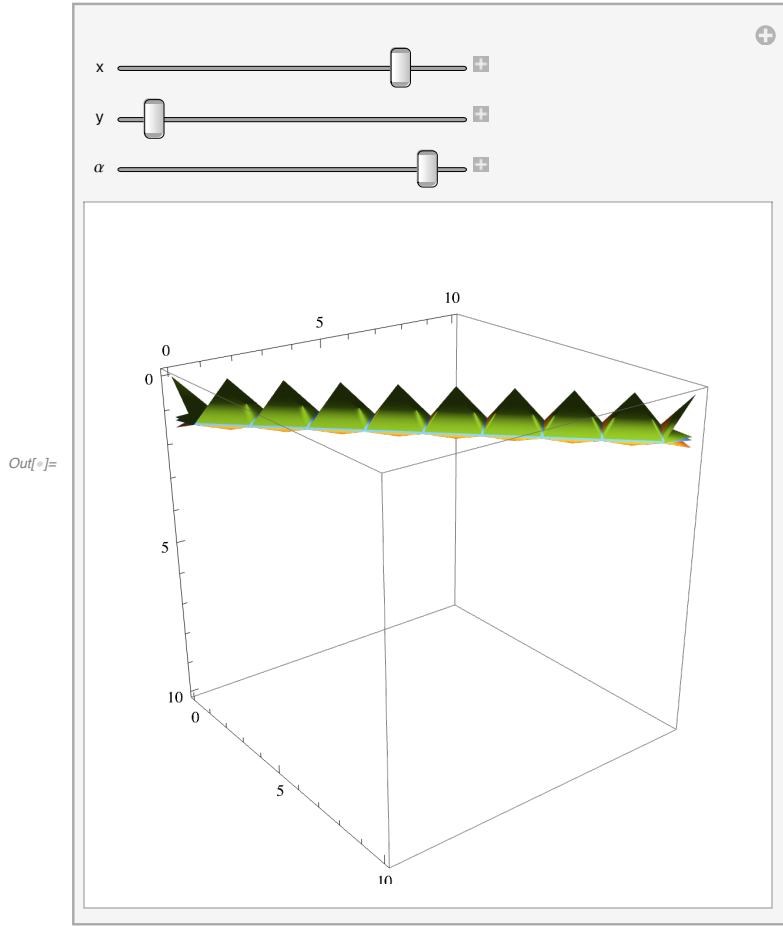
... General: Further output of Power::infy will be suppressed during this calculation.

... General:  $\frac{1}{8.64^{6507.49}}$  is too small to represent as a normalized machine number; precision may be lost.

... General:  $\frac{1}{8.64^{6507.49}}$  is too small to represent as a normalized machine number; precision may be lost.

... General:  $\frac{1}{8.64^{6507.49}}$  is too small to represent as a normalized machine number; precision may be lost.

... General: Further output of General::munfl will be suppressed during this calculation.



## CHAPTER 4 : THE POTENTIAL FOR CREATING COMPUTATIONAL REFERENCE FRAMES AS A MEANS TO ESTABLISH A BEING.

This is just one example of a potential reference frame that includes the dimensions of the following qualia: distance, angle, number and embedded-dimensional curvature. Mass in this reference frame would have to be inferred only through further theoretical interactions.

$$\text{Solve}\left[\frac{n}{n+1} = \frac{\sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r s \alpha - s^2}}{\delta} \ \&\& \ \frac{\sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r s \alpha - s^2}}{\delta} == \eta \ \&\& \ \frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r s \alpha + c^2 s \delta^2 \eta^2 + c^2 s^2}}{\sqrt{r^2 \alpha^2 - 1. \cdot r^2 \delta^2 - 2. \cdot r s \alpha + s \delta^2 \eta^2 + s}} == v \ \&\& \ \alpha == \frac{s + r \delta \text{Cos}[\beta]}{r}, \text{Reals}\right]$$

**Solve:** Solve was unable to solve the system with inexact coefficients. The answer was obtained by solving a corresponding exact system and numericizing the result.

$$\left\{ \left\{ v \rightarrow \text{ConditionalExpression}\left[\sqrt{\sqrt{c^2 s^2 - 1. \cdot c^2 r^2 \delta^2 - 2. \cdot r s \alpha + s \delta^2 \eta^2 + s}}, \text{Reals}\right] \right\} \right\}$$

$$\begin{aligned}
 & 2. c^2 r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) + \\
 & c^2 r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 + \\
 & c^2 s \left( -1. s^2 + r^2 \delta^2 + 2. r s \right. \\
 & \quad \left. \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) - 1. r^2 \right. \\
 & \quad \left. \left. \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \right) \right) \right) / \\
 & \left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) + \right. \right. \\
 & \quad \left. \left. 6.28319 C[1] \right) \right) + \\
 & r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 + \\
 & s \left( -1. s^2 + r^2 \delta^2 + 2. r s \right. \\
 & \quad \left. \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) - 1. r^2 \right. \\
 & \quad \left. \left. \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \right) \right) \right) \right) , \\
 & \left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& r < \frac{n}{1. + n} \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \&\& r > -\frac{1. n}{1. + n} \&\& C[1] \in \mathbb{Z} \&\& \right. \\
 & \quad \left. -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \&\& r < -\frac{1. n}{1. + n} \right) || \\
 & \left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \&\& r < -\frac{1. n}{1. + n} \right) ||
 \end{aligned}$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$\alpha \rightarrow$  ConditionalExpression[

$$\frac{s}{r} +$$

$$\delta \operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right],$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$\beta \rightarrow$  ConditionalExpression[-1. ArcCos[-1.  $\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}$ ] + 6.28319 C[1],

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right),$$

$$\eta \rightarrow \text{ConditionalExpression} \left[ \frac{1}{\delta} \left( \sqrt{-1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right]} \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \right),$$

$$\left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right)],$$

$$\{ v \rightarrow \text{ConditionalExpression} \left[ \left( \sqrt{c^2 s^2 - 1. c^2 r^2 \delta^2 - 2. c^2 r s \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right]} \right) + c^2 r^2 \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 + c^2 s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right]} \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \right) \right) \right] \right) \right)$$

$$2. c^2 r s \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) +$$

$$c^2 r^2 \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 +$$

$$c^2 s \left( -1. s^2 + r^2 \delta^2 +$$

$$2. r s \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) -$$

$$1. r^2 \left( \frac{s}{r} + \delta \cos \left[ 1. \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \right) \right) \right)$$



$$\left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \cos \left[ 1. \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right) \right) + r^2 \left( \frac{s}{r} + \delta \cos \left[ 1. \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right) \right)^2 + s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos \left[ 1. \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right) \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos \left[ 1. \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right) \right)^2 \right) \right)$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right), \ \alpha \rightarrow$$

$$\text{ConditionalExpression} \left[ \frac{s}{r} + \delta \cos \left[ 1. \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right], \right.$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$$\beta \rightarrow \text{ConditionalExpression}\left[-1. \text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1],\right.$$

$$\left. \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$$\eta \rightarrow \text{ConditionalExpression}\left[\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + r^2 \delta^2 + \right.} \right.$$

$$2. r s \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right) -$$

$$1. r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right)^2 \left. \right),$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$



$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],$$

$\alpha \rightarrow$  ConditionalExpression[

$$\frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right],$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],$$

$\beta \rightarrow$  ConditionalExpression[ArcCos[-1.  $\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}$ ] + 6.28319 C[1],

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right),$$

$$\eta \rightarrow \text{ConditionalExpression} \left[ \frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \text{Cos} \left[ \text{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) - 1. r^2 \left( \frac{s}{r} + \delta \text{Cos} \left[ \text{ArcCos} \left[ -1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \right) \right),$$

$$\left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right)],$$

$$\{v \rightarrow \text{ConditionalExpression} \left[ \left( \sqrt{\left( c^2 s^2 - 1. c^2 r^2 \delta^2 - 2. c^2 r s \left( \frac{s}{r} + \delta \text{Cos} \left[ \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) + c^2 r^2 \right. \right.$$

$$\left. \left( \frac{s}{r} + \delta \text{Cos} \left[ \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 + c^2 s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \text{Cos} \left[ \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) - 1. r^2 \left( \frac{s}{r} + \delta \text{Cos} \left[ \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \right) \right) /$$

$$\left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \text{Cos} \left[ \text{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) \right) +$$

$$r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 + s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) - 1. r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \right) \right) \right),$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \ ,$$

$$\alpha \rightarrow \operatorname{ConditionalExpression} \left[ \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right], \right.$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \ ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \ ,$$

$$\beta \rightarrow \text{ConditionalExpression}\left[\text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1],\right.$$

$$\left.\left(\begin{array}{l} s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \end{array}\right) \parallel$$

$$\left.\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \end{array}\right)\right],$$

$$\eta \rightarrow \text{ConditionalExpression}\left[\frac{1}{\delta} \left(\sqrt{-1. s^2 + r^2 \delta^2 +}\right.\right.$$

$$\left.2. r s \left(\frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right]\right) -\right.$$

$$\left.1. r^2 \left(\frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right]\right)^2\right),$$

$$\left(\begin{array}{l} s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \end{array}\right) \parallel$$

$$\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \end{array}\right) \parallel$$

$$\left.\left(\begin{array}{l} s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \end{array}\right)\right],$$

$$\left\{ c \rightarrow \text{ConditionalExpression}\left[0, \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \right. \right. \\
\left. \left. r < \frac{n}{1. + n} \ \&\& \ -1. \cdot \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \right] \parallel \\
\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( r > -\frac{1. n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \cdot \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \\
\left( r > \frac{n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( r > \frac{n}{1. + n} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ r < \frac{n}{1. + n} \ \&\& \ \delta < -1. \cdot \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( s > 1. \ \&\& \ r > -\frac{1. n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \cdot \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \right) \parallel \\
\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ r < -\frac{1. n}{1. + n} \right) \parallel \\
\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ r > \frac{n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \parallel \\
\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ r > \frac{n}{1. + n} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \right],$$

$$v \rightarrow \text{ConditionalExpression}\left[0., \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ r < \frac{n}{1. + n} \ \&\& \ -1. \cdot \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \\
\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$



$$\left( r > -\frac{1. n}{1. + n} \&\& C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& -1. < n < 0 \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \&\& C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& n < -1. \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& r < \frac{n}{1. + n} \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \&\& r > -\frac{1. n}{1. + n} \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& r > \frac{n}{1. + n} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \right) \parallel$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& r > \frac{n}{1. + n} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \right),$$

$\alpha \rightarrow$  ConditionalExpression[

$$\frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right],$$

$$\left( C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& -1. < n < 0 \&\& r < \frac{n}{1. + n} \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& n < -1. \&\& r < -\frac{1. n}{1. + n} \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \&\& C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& r < -\frac{1. n}{1. + n} \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > -\frac{1. n}{1. + n} \&\& C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& -1. < n < 0 \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \&\& C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& n < -1. \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \&\& 0 < s < 1. \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$$\beta \rightarrow \text{ConditionalExpression}\left[-1. \text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1],$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],$$

$$\eta \rightarrow \text{ConditionalExpression}\left[\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + r^2 \delta^2 + \right.} \right. \right.$$

$$2. r s \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right) -$$

$$\left. \left. \left. 1. r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right)^2 \right) \right) \right],$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
 \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Big], \\
 \{c \rightarrow \text{ConditionalExpression}[0, \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& \right. \\
 \left. r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
 \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 \left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
 \left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 \left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 \left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
 \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
 \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
 \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Big], \\
 v \rightarrow \text{ConditionalExpression}[0., \\
 \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > -\frac{1. n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > \frac{n}{1. + n} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ r < \frac{n}{1. + n} \ \&\& \ \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \ r > -\frac{1. n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ r < -\frac{1. n}{1. + n} \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ r > \frac{n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ r > \frac{n}{1. + n} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right), \alpha \rightarrow$$

$$\text{ConditionalExpression}\left[\frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right]\right] - 6.28319 C[1]\right],$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ r < \frac{n}{1. + n} \ \&\& \ -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > -\frac{1. n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\begin{aligned}
& \left( r > \frac{n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1+n} \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& r > -\frac{1. n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1+n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1+n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& r > \frac{n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),
\end{aligned}$$

$$\beta \rightarrow \text{ConditionalExpression}\left[-1. \text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1+n)^2 r^2}}\right] + 6.28319 C[1],
\right.$$

$$\begin{aligned}
& \left. \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1+n} \ \&\& -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} < \delta < 0 \right) || \right. \\
& \left. \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1+n} \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \right. \\
& \left. \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1+n} \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \right. \\
& \left. \left( r > -\frac{1. n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} < \delta < 0 \right) || \right. \\
& \left. \left( r > \frac{n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \right. \\
& \left. \left( r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \right. \\
& \left. \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1+n} \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \right.
\end{aligned}$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$$\eta \rightarrow \text{ConditionalExpression}\left[\frac{1}{\delta} \left( \sqrt{-1. s^2 + r^2 \delta^2 +} \right. \right.$$

$$2. r s \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right) -$$

$$\left. \left. 1. r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right)^2 \right) \right],$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\begin{aligned}
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) || \Bigg\}, \\
& \{c \rightarrow \text{ConditionalExpression}\left[0, \left(C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& \right. \right. \\
& \quad \left. \left. r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \right. \\
& \quad \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \quad \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \quad \left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
& \quad \left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \quad \left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \quad \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \quad \left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \quad \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \quad \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \quad \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||
\end{aligned}$$



$$\left[ s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right],$$

v → ConditionalExpression[0.,

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

α → ConditionalExpression[

$$\frac{s}{r} + \delta \operatorname{Cos}\left[\operatorname{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right],$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\begin{aligned}
& \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
& \left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],
\end{aligned}$$

$$\beta \rightarrow \text{ConditionalExpression}\left[\text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1],\right.$$

$$\begin{aligned}
& \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
& \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
& \left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||
\end{aligned}$$

$$\left( r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1+n} \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1+n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1+n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& r > \frac{n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],$$

$$\eta \rightarrow \text{ConditionalExpression}\left[\frac{1}{\delta} \left( \sqrt{-1. s^2 + r^2 \delta^2 +} \right. \right.$$

$$2. r s \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1+n)^2 r^2}}\right] + 6.28319 C[1]\right] \right) -$$

$$\left. \left. 1. r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-1. \sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1+n)^2 r^2}}\right] + 6.28319 C[1]\right] \right)^2 \right) \right],$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1+n} \ \&\& -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1+n} \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1+n} \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) ||$$

$$\left( r > -\frac{1. n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( r > \frac{n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) ||$$

$$\left( r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) ||$$

$$\begin{aligned}
& \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Big] \Big], \\
& \{c \rightarrow \text{ConditionalExpression}\left[0, \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& \right. \right. \\
& \quad \left. \left. r < \frac{n}{1. + n} \ \&\& -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \right] || \\
& \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
& \left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||
\end{aligned}$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],$$

v → ConditionalExpression[0.,

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& r < -\frac{1. n}{1. + n} \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1. + n} \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& r > -\frac{1. n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1. + n} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1. + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],$$

α → ConditionalExpression[ $\frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right]\right] + 6.28319 C[1]$ ],

$$\begin{aligned}
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ r < \frac{n}{1. + n} \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \\
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
& \left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
& \left( r > -\frac{1. n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \\
& \left( r > \frac{n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
& \left( r > \frac{n}{1. + n} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
& \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ r < \frac{n}{1. + n} \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
& \left( s > 1. \ \&\& \ r > -\frac{1. n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \right) \parallel \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ r < -\frac{1. n}{1. + n} \right) \parallel \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ r > \frac{n}{1. + n} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \parallel \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ r > \frac{n}{1. + n} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right),
\end{aligned}$$

$$\beta \rightarrow \text{ConditionalExpression}\left[\text{ArcCos}\left[\sqrt{\frac{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}{(1. + n)^2 r^2}}\right] + 6.28319 C[1],
\right.$$

$$\begin{aligned}
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ r < \frac{n}{1. + n} \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \\
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
& \left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ r < -\frac{1. n}{1. + n} \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel
\end{aligned}$$

$$\left( r > -\frac{1 \cdot n}{1 + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1 \ \&\& -1 < n < 0 \ \&\& -1 < \sqrt{\frac{(1 + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( r > \frac{n}{1 + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1 \ \&\& n < -1 \ \&\& 0 < \delta < \sqrt{\frac{(1 + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > \frac{n}{1 + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1 \ \&\& 0 < \delta < \sqrt{\frac{(1 + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1 \ \&\& C[1] \in \mathbb{Z} \ \&\& -1 < n < 0 \ \&\& r < \frac{n}{1 + n} \ \&\& \delta < -1 \ \&\& \sqrt{\frac{(1 + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1 \ \&\& r > -\frac{1 \cdot n}{1 + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1 < n < 0 \ \&\& \delta < -1 \ \&\& \sqrt{\frac{(1 + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1 \ \&\& \delta > \sqrt{\frac{(1 + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1 \ \&\& r < -\frac{1 \cdot n}{1 + n} \right) \parallel$$

$$\left( s > 1 \ \&\& \delta > \sqrt{\frac{(1 + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1 \cdot n}{1 + n} \right) \parallel$$

$$\left( s > 1 \ \&\& \delta > \sqrt{\frac{(1 + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1 + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1 \right) \parallel$$

$$\left( s > 1 \ \&\& \delta > \sqrt{\frac{(1 + n)^2 s}{n^2}} \ \&\& r > \frac{n}{1 + n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$$\eta \rightarrow \text{ConditionalExpression}\left[\frac{1}{\delta} \left( \sqrt{-1 \cdot s^2 + r^2 \delta^2 + 2 \cdot r s \left( \frac{s}{r} + \delta \cos\left[\text{ArcCos}\left[\sqrt{\frac{-1 \cdot n^2 + r^2 + 2 \cdot n r^2 + n^2 r^2}{(1 + n)^2 r^2}}\right] + 6.28319 C[1]\right)}\right) - 1 \cdot r^2 \left( \frac{s}{r} + \delta \cos\left[\text{ArcCos}\left[\sqrt{\frac{-1 \cdot n^2 + r^2 + 2 \cdot n r^2 + n^2 r^2}{(1 + n)^2 r^2}}\right] + 6.28319 C[1]\right]} \right)^2 \right),$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1 \ \&\& -1 < n < 0 \ \&\& r < \frac{n}{1 + n} \ \&\& -1 < \sqrt{\frac{(1 + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1 \ \&\& n < -1 \ \&\& r < -\frac{1 \cdot n}{1 + n} \ \&\& 0 < \delta < \sqrt{\frac{(1 + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1 \ \&\& r < -\frac{1 \cdot n}{1 + n} \ \&\& 0 < \delta < \sqrt{\frac{(1 + n)^2 s}{n^2}} \right) \parallel$$

$$\left( r > -\frac{1 \cdot n}{1 + n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1 \ \&\& -1 < n < 0 \ \&\& -1 < \sqrt{\frac{(1 + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\begin{aligned}
& \left( r > \frac{n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& r < \frac{n}{1+n} \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& r > -\frac{1. n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \ \&\& r < -\frac{1. n}{1+n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& r < -\frac{1. n}{1+n} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& r > \frac{n}{1+n} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& r > \frac{n}{1+n} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) || \Bigg\},
\end{aligned}$$

$$\{n \rightarrow \text{ConditionalExpression}[0, C[1] \in \mathbb{Z} \ \&\& 0 < s < 1.],$$

v →

$$\text{ConditionalExpression}[$$

$$\begin{aligned}
& \left( \sqrt{\left( c^2 s^2 - 1. \ c^2 r^2 \delta^2 - 2. \ c^2 r s \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right) \right) +} \right. \\
& \quad \left. c^2 r^2 \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right)^2 + c^2 s \left( -1. \ s^2 + r^2 \delta^2 + 2. \ r s \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right) - 1. \ r^2 \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right)^2 \right) \right) / \\
& \left( \sqrt{\left( s - 1. \ r^2 \delta^2 - 2. \ r s \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right) \right) +} \right. \\
& \quad \left. r^2 \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right)^2 +} \right. \\
& \quad \left. s \left( -1. \ s^2 + r^2 \delta^2 + 2. \ r s \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right) - 1. \ r^2 \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right)^2 \right) \right) \Bigg\}, C[1] \in \mathbb{Z} \ \&\& 0 < s < 1.],
\end{aligned}$$

$$\alpha \rightarrow \text{ConditionalExpression}\left[\frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]], C[1] \in \mathbb{Z} \ \&\& 0 < s < 1.\right],$$

β →

$$\text{ConditionalExpression}[$$

$$-3.14159 + 6.28319 C[1], C[1] \in \mathbb{Z} \ \&\& 0 < s < 1.],$$

$$\eta \rightarrow \text{ConditionalExpression}\left[\frac{1}{\delta} \left( \sqrt{\left( -1. \ s^2 + r^2 \delta^2 + 2. \ r s \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right) \right) -} \right.$$



$$1. r^2 \left( \frac{s}{r} + \delta \cos[3.14159 - 6.28319 C[1]] \right)^2 \Bigg), C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \Bigg\},$$

$\{n \rightarrow \text{ConditionalExpression}[0, C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1.],$

$v \rightarrow$

$$\text{ConditionalExpression} \left[ \left( \sqrt{\left( c^2 s^2 - 1. c^2 r^2 \delta^2 - 2. c^2 r s \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right) + c^2 r^2 \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right)^2 + c^2 s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right)^2 \right) \right) \right] / \left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right) + r^2 \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right)^2 + s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right)^2 \right) \right) \right), C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \Bigg],$$

$\alpha \rightarrow \text{ConditionalExpression} \left[ \frac{s}{r} + \delta \cos[6.28319 C[1]], C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \Bigg],$

$\beta \rightarrow$

$$\text{ConditionalExpression}[6.28319 C[1], C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1.],$$

$\eta \rightarrow \text{ConditionalExpression} \left[ \frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos[6.28319 C[1]] \right)^2 \right) \right), C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \Bigg\},$

$\{n \rightarrow \text{ConditionalExpression}[0, C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1.],$

$v \rightarrow$

$$\text{ConditionalExpression} \left[ \left( \sqrt{\left( c^2 s^2 - 1. c^2 r^2 \delta^2 - 2. c^2 r s \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right) + c^2 r^2 \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right)^2 + c^2 s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right)^2 \right) \right) \right] / \left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right) + r^2 \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right)^2 + s \left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right) - 1. r^2 \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right)^2 \right) \right) \right), C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \Bigg],$$

$\alpha \rightarrow \text{ConditionalExpression} \left[ \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]], C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \Bigg],$

$\beta \rightarrow$

$$\text{ConditionalExpression} [$$

$$\begin{aligned}
& 3.14159 + 6.28319 C[1], C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. ], \\
\eta \rightarrow & \text{ConditionalExpression}\left[\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right) \right)} - \right. \right. \\
& \left. \left. 1. r^2 \left( \frac{s}{r} + \delta \cos[3.14159 + 6.28319 C[1]] \right)^2 \right) \right], C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. ]], \\
\{r \rightarrow & \text{ConditionalExpression}\left[-\frac{1. n}{1. + n}, \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \right. \right. \\
& \left. \left. \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \ || \right. \\
& \left. \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \right], v \rightarrow \text{ConditionalExpression}\left[ \right. \\
& \left. \left( \sqrt{\left( c^2 s^2 - \frac{1. c^2 n^2 \delta^2}{(1. + n)^2} + \frac{2. c^2 n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} \right)} + \right. \right. \\
& \left. \left. \frac{1. c^2 n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} + c^2 s \right. \right. \\
& \left. \left( -1. s^2 + \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{1}{1. + n} 2. n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right) \right) - \right. \\
& \left. \left. \frac{1}{(1. + n)^2} 1. n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2 \right) \right) \right] / \\
& \left( \sqrt{\left( s - \frac{1. n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} \right)} + \right. \\
& \left. \frac{1. n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} + \right. \\
& \left. s \left( -1. s^2 + \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{1}{1. + n} 2. n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right) \right) - \right. \\
& \left. \left. \frac{1}{(1. + n)^2} 1. n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2 \right) \right) \right] \right), \\
& \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \ || \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \right], \\
\alpha \rightarrow & \text{ConditionalExpression}\left[-\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]], \right. \\
& \left. \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \right.
\end{aligned}$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right)],$$

$\beta \rightarrow \text{ConditionalExpression}[-1.5708 + 6.28319 C[1],$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right)], \eta \rightarrow \text{ConditionalExpression} [$$

$$\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{2. n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} \right)} \right),$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right)],$$

$\{r \rightarrow \text{ConditionalExpression}[-\frac{1. n}{1. + n},$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right)], v \rightarrow \text{ConditionalExpression} [$$

$$\sqrt{\left( c^2 s^2 - \frac{1. c^2 n^2 \delta^2}{(1. + n)^2} + \frac{2. c^2 n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)}{1. + n} + \frac{1. c^2 n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} + c^2 s \right)}$$

$$\left( -1. s^2 + \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{1}{1. + n} 2. n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right) \right) -$$

$$\frac{1}{(1+n)^2} 1. n^2 \left( -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]] \right)^2 \Bigg) \Bigg) /$$

$$\left( \sqrt{\left( s - \frac{1. n^2 \delta^2}{(1+n)^2} - \frac{2. n s \left( -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]] \right)}{1+n} \right.} \right.$$

$$\left. \left. + \frac{1. n^2 \left( -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]] \right)^2}{(1+n)^2} \right)} \right.$$

$$\left. s \left( -1. s^2 + \frac{1. n^2 \delta^2}{(1+n)^2} - \frac{1}{1+n} 2. n s \left( -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]] \right) \right) - \right.$$

$$\left. \frac{1}{(1+n)^2} 1. n^2 \left( -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]] \right)^2 \right) \Bigg) \Bigg),$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) \Bigg) \Bigg| \Bigg|$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \Bigg) \Bigg| \Bigg|$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Bigg) \Bigg| \Bigg|,$$

$$\alpha \rightarrow \text{ConditionalExpression} \left[ -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]], \right.$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) \Bigg) \Bigg| \Bigg|$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \Bigg) \Bigg| \Bigg|$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Bigg) \Bigg| \Bigg|,$$

$$\beta \rightarrow \text{ConditionalExpression} [1.5708 + 6.28319 C[1],$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1+n)^2 s}{n^2}} \right) \Bigg) \Bigg| \Bigg|$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \Bigg) \Bigg| \Bigg|$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1+n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Bigg) \Bigg| \Bigg|, \eta \rightarrow \text{ConditionalExpression} [$$

$$\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{1. n^2 \delta^2}{(1+n)^2} - \frac{2. n s \left( -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]] \right)}{1+n} \right.} \right.$$

$$\left. \left. + \frac{1. n^2 \left( -\frac{1. (1+n) s}{n} + \delta \operatorname{Cos}[1.5708 + 6.28319 C[1]] \right)^2}{(1+n)^2} \right)} \right) \Bigg) \Bigg| \Bigg|,$$

$$\left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \right) \Big] \Big],$$

$$\{r \rightarrow \text{ConditionalExpression}\left[\frac{n}{1. + n},$$

$$\left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \right) \Big] \Big], v \rightarrow \text{ConditionalExpression}\left[$$

$$\sqrt{\left( c^2 s^2 - \frac{1. c^2 n^2 \delta^2}{(1. + n)^2} - \frac{2. c^2 n s \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} + \frac{c^2 n^2 \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} + c^2 s \left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} \right) \right) \Big] \Big] /$$

$$\sqrt{\left( s - \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{2. n s \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} + \frac{n^2 \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} + s \left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} \right) \right) \Big] \Big],$$

$$\left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right),$$

$$\alpha \rightarrow \text{ConditionalExpression}\left[\frac{(1. + n) s}{n} + \delta \text{Cos}[1.5708 - 6.28319 C[1]],$$

$$\left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right),$$

$$\beta \rightarrow \text{ConditionalExpression}\left[-1.5708 + 6.28319 C[1],$$

$$\left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right), \eta \rightarrow \text{ConditionalExpression}\left[$$

$$\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1. + n) s}{n} + \delta \text{Cos}[1.5708 - 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( \frac{(1. + n) s}{n} + \delta \text{Cos}[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} \right)} \right),$$

$$\left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right) \},$$

$$\{r \rightarrow \text{ConditionalExpression}\left[\frac{n}{1. + n},$$

$$\left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right), v \rightarrow \text{ConditionalExpression}\left[$$

$$\left( \sqrt{\left( c^2 s^2 - \frac{1. c^2 n^2 \delta^2}{(1. + n)^2} - \frac{2. c^2 n s \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)}{1. + n} + \frac{c^2 n^2 \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} + c^2 s \left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} \right) \right) \right) /$$

$$\left( \sqrt{\left( s - \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{2. n s \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)}{1. + n} + \frac{n^2 \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} + s \left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( \frac{(1.+n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} \right) \right) \right),$$

$$\left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \right),$$

$$\alpha \rightarrow \text{ConditionalExpression}\left[\frac{(1. + n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]],$$

$$\left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& C[1] \in \mathbb{Z} \&\& n < -1. \right) ||$$

$$\left( s > 1. \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \&\& n > 0 \&\& C[1] \in \mathbb{Z} \right),$$

$$\beta \rightarrow \text{ConditionalExpression}\left[1.5708 + 6.28319 C[1],$$

$$\left( s > 1. \&\& C[1] \in \mathbb{Z} \&\& -1. < n < 0 \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\begin{aligned}
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Big], \eta \rightarrow \text{ConditionalExpression} \Big[ \\
& \frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)}{1. + n} - \right.} \right. \\
& \quad \left. \left. \frac{1. n^2 \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} \right) \right) \Big], \\
& \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Big], \\
& \{c \rightarrow \text{ConditionalExpression} \Big[ 0, \\
& \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
& \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) \Big], \\
& r \rightarrow \text{ConditionalExpression} \Big[ -\frac{1. n}{1. + n}, \\
& \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
& \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||
\end{aligned}$$



$$\begin{aligned}
 & \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
 & \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ], v \rightarrow \text{ConditionalExpression}[ \\
 0., & \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
 & \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
 & \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ], \\
 \alpha \rightarrow & \text{ConditionalExpression}\left[-\frac{1. (1. + n) s}{n} + \delta \text{Cos}[1.5708 - 6.28319 C[1]], \right. \\
 & \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
 & \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) || \\
 & \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right) ],
 \end{aligned}$$

$$\begin{aligned}
& \beta \rightarrow \text{ConditionalExpression}[-1.5708 + 6.28319 C[1], \\
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ || \\
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \\
& \left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \\
& \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \ || \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \Big], \eta \rightarrow \text{ConditionalExpression} \Big[ \\
& \frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{2. n s \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} \right.} \right. \\
& \left. \left. \frac{1. n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} \right) \right) \Big], \\
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ || \\
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \\
& \left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \\
& \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \ || \\
& \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \Big], \\
& \{c \rightarrow \text{ConditionalExpression}[0, \\
& \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ ||
\end{aligned}$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) ],$$

$$r \rightarrow \text{ConditionalExpression}\left[-\frac{1. n}{1. + n},$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) ], v \rightarrow \text{ConditionalExpression}\left[$$

$$0., \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right),$$

$$\alpha \rightarrow \text{ConditionalExpression}\left[-\frac{1. (1. + n) s}{n} + \delta \text{Cos}[1.5708 + 6.28319 C[1]],\right.$$

$$\left. \left( C[1] \in \mathbf{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ || \right.$$

$$\left. \left( C[1] \in \mathbf{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \right.$$

$$\left. \left( n > 0 \ \&\& C[1] \in \mathbf{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \right.$$

$$\left. \left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \right.$$

$$\left. \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) \ || \right.$$

$$\left. \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right) \right),$$

$$\beta \rightarrow \text{ConditionalExpression}\left[1.5708 + 6.28319 C[1],\right.$$

$$\left. \left( C[1] \in \mathbf{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ || \right.$$

$$\left. \left( C[1] \in \mathbf{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \right.$$

$$\left. \left( n > 0 \ \&\& C[1] \in \mathbf{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \right.$$

$$\left. \left( s > 1. \ \&\& C[1] \in \mathbf{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ || \right.$$

$$\left. \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbf{Z} \ \&\& n < -1. \right) \ || \right.$$

$$\left. \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbf{Z} \right) \right], \eta \rightarrow \text{ConditionalExpression}\left[ \right.$$

$$\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{1. n^2 \delta^2}{(1. + n)^2} - \frac{2. n s \left( -\frac{1. (1. + n) s}{n} + \delta \text{Cos}[1.5708 + 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( -\frac{1. (1. + n) s}{n} + \delta \text{Cos}[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} \right)} \right),$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \ ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \ ||, \{c \rightarrow \text{ConditionalExpression}[$$

$$0, \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \ ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \ ||,$$

$$r \rightarrow \text{ConditionalExpression}\left[\frac{n}{1. + n},$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \ ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \ ||$$

$$\begin{aligned}
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \parallel \\
& \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right), \nu \rightarrow \text{ConditionalExpression} [ \\
0., \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \\
\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \\
\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \parallel \\
\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right), \\
\alpha \rightarrow \text{ConditionalExpression} \left[ \frac{(1. + n) s}{n} + \delta \text{Cos}[1.5708 - 6.28319 C[1]], \right. \\
\left. \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \right. \\
\left. \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \right. \\
\left. \left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \right. \\
\left. \left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel \right. \\
\left. \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) \parallel \right. \\
\left. \left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right), \right. \\
\beta \rightarrow \text{ConditionalExpression} \left[ -1.5708 + 6.28319 C[1], \right. \\
\left. \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel \right.
\end{aligned}$$

$$\begin{aligned}
 & \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) || \\
 & \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \Big], \eta \rightarrow \text{ConditionalExpression} \left[ \right. \\
 & \frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)}{1. + n} \right.} \right. \\
 & \left. \left. - \frac{1. n^2 \left( \frac{(1. + n) s}{n} + \delta \cos[1.5708 - 6.28319 C[1]] \right)^2}{(1. + n)^2} \right) \right) \Big], \\
 & \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
 & \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) || \\
 & \left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \Big], \{c \rightarrow \text{ConditionalExpression} \left[ \right. \\
 & 0, \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) || \\
 & \left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) || \\
 & \left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||
 \end{aligned}$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$$r \rightarrow \text{ConditionalExpression}\left[\frac{n}{1. + n},$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right), \ v \rightarrow \text{ConditionalExpression}\left[$$

$$0., \left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& -1. < n < 0 \ \&\& -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) ||$$

$$\left( C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& n < -1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( n > 0 \ \&\& C[1] \in \mathbb{Z} \ \&\& 0 < s < 1. \ \&\& 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& C[1] \in \mathbb{Z} \ \&\& -1. < n < 0 \ \&\& \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& C[1] \in \mathbb{Z} \ \&\& n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& n > 0 \ \&\& C[1] \in \mathbb{Z} \right),$$

$$\alpha \rightarrow \text{ConditionalExpression}\left[\frac{(1. + n) s}{n} + \delta \text{Cos}[1.5708 + 6.28319 C[1]],$$



$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right),$$

$\beta \rightarrow \text{ConditionalExpression}[1.5708 + 6.28319 C[1],$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) \parallel$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right), \eta \rightarrow \text{ConditionalExpression}[$$

$$\frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + \frac{n^2 \delta^2}{(1. + n)^2} + \frac{2. n s \left( \frac{(1. + n) s}{n} + \delta \text{Cos}[1.5708 + 6.28319 C[1]] \right)}{1. + n} - \frac{1. n^2 \left( \frac{(1. + n) s}{n} + \delta \text{Cos}[1.5708 + 6.28319 C[1]] \right)^2}{(1. + n)^2} \right)} \right),$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ -1. < n < 0 \ \&\& \ -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} < \delta < 0 \right) \parallel$$

$$\left( C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ n < -1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) \parallel$$

$$\left( n > 0 \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ 0 < s < 1. \ \&\& \ 0 < \delta < \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ -1. < n < 0 \ \&\& \ \delta < -1. \ \sqrt{\frac{(1. + n)^2 s}{n^2}} \right) ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ C[1] \in \mathbb{Z} \ \&\& \ n < -1. \right) ||$$

$$\left( s > 1. \ \&\& \ \delta > \sqrt{\frac{(1. + n)^2 s}{n^2}} \ \&\& \ n > 0 \ \&\& \ C[1] \in \mathbb{Z} \right) \}}]$$

Solve  $\left[ n / (n + 1) = \frac{\sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r s \alpha - s^2}}{\delta} \ \&\& \ \frac{\sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r s \alpha - s^2}}{\delta} == \eta \ \&\& \right.$

$$\left. \frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r s \alpha + c^2 s \delta^2 \eta^2 + c^2 s^2}}{\sqrt{r^2 \alpha^2 - 1. \cdot r^2 \delta^2 - 2. \cdot r s \alpha + s \delta^2 \eta^2 + s}} == v \ \&\& \ \alpha == \frac{s + r \delta \text{Cos}[\beta]}{r}, \text{Complexes} \right]$$

... Solve: The answer found by Solve contains equational condition(s)

$$\left\{ 0 == \frac{n \delta - 1. \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]} - 1. n \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]}}{1. + n}, 0 == \frac{n \delta - 1. \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]} - 1. n \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]}}{1. + n}, 0 == \frac{n \delta - 1. \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]} - 1. n \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]}}{1. + n}, 0 == \frac{n \delta - 1. \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]} - 1. n \sqrt{\text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket] \text{Power}[\llbracket 2 \rrbracket]}}{1. + n} \right\}$$

A likely reason for this is that the solution set depends on branch cuts of Wolfram Language functions.

- ... Infinity: Indeterminate expression 0. s ComplexInfinity encountered.
- ... Infinity: Indeterminate expression 0 ComplexInfinity encountered.
- ... Infinity: Indeterminate expression 0. c^2 s ComplexInfinity encountered.
- ... General: Further output of Infinity::indet will be suppressed during this calculation.
- ... Solve: Solve was unable to solve the system with inexact coefficients. The answer was obtained by solving a corresponding exact system and numericizing the result.

$$\left\{ \left\{ v \rightarrow \text{ConditionalExpression} \left[ \left( \sqrt{\left( c^2 s^2 - 1. \cdot c^2 r^2 \delta^2 - 2. \cdot c^2 r s \left( \frac{s}{r} + \delta \text{Cos} \left[ 1. \text{ArcCos} \left[ - \frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) + c^2 r^2 \left( \frac{s}{r} + \delta \text{Cos} \left[ 1. \text{ArcCos} \left[ - \frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 + c^2 s \left( -1. s^2 + r^2 \delta^2 + 2. r s \right) \right. \right. \right.$$

$$\left( \frac{s}{r} + \delta \operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] - 1. r^2 \right. \\ \left. \left( \frac{s}{r} + \delta \operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right)^2 \right) / \\ \left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right) + \right. \right. \\ \left. \left. 6.28319 C[1]\right) \right) + \\ r^2 \left( \frac{s}{r} + \delta \operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right)^2 + \\ s \left( -1. s^2 + r^2 \delta^2 + 2. r s \right. \\ \left. \left( \frac{s}{r} + \delta \operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] - 1. r^2 \right. \right. \\ \left. \left. \left( \frac{s}{r} + \delta \operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right)^2 \right) \right) \right),$$

$$C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0, \alpha \rightarrow$$

ConditionalExpression[

$$\frac{s}{r} + \delta$$

$$\operatorname{Cos}\left[1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right],$$

$$C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0,$$

$\beta \rightarrow$  ConditionalExpression[

$$-1. \operatorname{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] +$$

$$6.28319 C[1],$$

$$C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0,$$

$\eta \rightarrow$  ConditionalExpression[

$$\frac{1}{\delta} \left( \sqrt{-1. s^2 + r^2 \delta^2 +$$

$$\begin{aligned}
 & 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) - \\
 & 1. r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \Bigg), \\
 & C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0 \Bigg\}, \\
 & \{v \rightarrow \text{ConditionalExpression} \left[ \left( \sqrt{\left( c^2 s^2 - 1. c^2 r^2 \delta^2 - \right. \right. \right. \\
 & 2. c^2 r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) + c^2 r^2 \\
 & \left. \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 + c^2 s \left( -1. s^2 + \right. \right. \\
 & r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) \Bigg) - \\
 & 1. r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \Bigg) \Bigg) / \\
 & \left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - \right. \right. \right. \right. \\
 & \left. \left. \left. 6.28319 C[1] \right] \right) \right) + \\
 & r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 + s \left( -1. s^2 + \right. \\
 & r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right) \Bigg) - \\
 & 1. r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right] \right)^2 \Bigg) \Bigg) \Bigg), \\
 & C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0 \Bigg], \alpha \rightarrow \\
 & \text{ConditionalExpression} \left[ \right. \\
 & \frac{s}{r} + \\
 & \delta \operatorname{Cos} \left[ 1. \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] - 6.28319 C[1] \right], \\
 & \left. C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0 \right],
 \end{aligned}$$

$$\beta \rightarrow \text{ConditionalExpression}\left[ \begin{aligned} & -1. \text{ArcCos}\left[\frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] + \\ & 6.28319 C[1], \\ & C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} = 0 \end{aligned} \right],$$

$$\eta \rightarrow \text{ConditionalExpression}\left[ \begin{aligned} & \frac{1}{\delta} \left( \sqrt{-1. s^2 + r^2 \delta^2 +} \right. \\ & \left. 2. r s \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[\frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right) - \right. \\ & \left. \left. 1. r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[1. \text{ArcCos}\left[\frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] - 6.28319 C[1]\right] \right)^2 \right) \right), \\ & C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} = 0 \end{aligned} \right],$$

$$\left\{ \begin{aligned} & v \rightarrow \text{ConditionalExpression}\left[ \left( \sqrt{c^2 s^2 - 1. c^2 r^2 \delta^2 -} \right. \right. \\ & \left. \left. 2. c^2 r s \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right] \right) \right) + \right. \\ & \left. c^2 r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right] \right)^2 + \right. \\ & \left. c^2 s \left( -1. s^2 + r^2 \delta^2 + \right. \right. \\ & \left. \left. 2. r s \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right] \right) \right) - \right. \\ & \left. \left. 1. r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right] \right)^2 \right) \right) \right) / \\ & \left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] + \right. \right. \right. \right. \\ & \left. \left. \left. 6.28319 C[1]\right] \right) \right) + \right. \\ & \left. r^2 \left( \frac{s}{r} + \delta \text{Cos}\left[\text{ArcCos}\left[-\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}}\right] + 6.28319 C[1]\right] \right)^2 + \right. \\ & \left. s \left( -1. s^2 + r^2 \delta^2 + \right. \right. \end{aligned} \right.$$

$$2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) -$$

$$1. r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \Bigg) \Bigg),$$

$$C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0 \Big], \alpha \rightarrow$$

ConditionalExpression[

$$\frac{s}{r} +$$

$$\delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right],$$

$$C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0 \Big],$$

$\beta \rightarrow$  ConditionalExpression[

$$\operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] +$$

$$6.28319 C[1],$$

$$C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0 \Big],$$

$\eta \rightarrow$  ConditionalExpression[

$$\frac{1}{\delta} \left( \sqrt{-1. s^2 + r^2 \delta^2} +$$

$$2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) -$$

$$1. r^2 \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ -\frac{1. \sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \Bigg) \Bigg),$$

$$C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} == 0 \Big],$$

{ $v \rightarrow$  ConditionalExpression[

$$2. c^2 r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) + c^2 r^2$$

$$\left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 + c^2 s \left( -1. s^2 +$$

$$r^2 \delta^2 + 2. r s \left( \frac{s}{r} + \delta \operatorname{Cos} \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) -$$

$$\begin{aligned}
 & 1. r^2 \left( \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \Big/ \\
 & \left( \sqrt{\left( s - 1. r^2 \delta^2 - 2. r s \left( \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) + \right. \right. \\
 & r^2 \left( \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 + s \left( -1. s^2 + \right. \\
 & r^2 \delta^2 + 2. r s \left. \left( \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) \right) - \\
 & \left. \left. 1. r^2 \left( \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \right) \right), \\
 & C[1] \in \mathbb{Z} \ \&\& \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} = 0], \ \alpha \rightarrow \text{ConditionalExpression} \left[ \right. \\
 & \left. \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right], \right. \\
 & C[1] \in \mathbb{Z} \ \&\& \left. \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} = 0 \right], \\
 & \beta \rightarrow \text{ConditionalExpression} \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + \right. \\
 & \left. 6.28319 C[1], \right. \\
 & C[1] \in \mathbb{Z} \ \&\& \left. \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} = 0 \right], \\
 & \eta \rightarrow \text{ConditionalExpression} \left[ \frac{1}{\delta} \left( \sqrt{\left( -1. s^2 + r^2 \delta^2 + \right. \right. \right. \\
 & \left. \left. \left. 2. r s \left( \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right) - \right. \right. \right. \\
 & \left. \left. \left. 1. r^2 \left( \frac{s}{r} + \delta \cos \left[ \operatorname{ArcCos} \left[ \frac{\sqrt{-1. n^2 + r^2 + 2. n r^2 + n^2 r^2}}{\sqrt{(1. + n)^2 r^2}} \right] + 6.28319 C[1] \right] \right)^2 \right) \right) \right), \\
 & C[1] \in \mathbb{Z} \ \&\& \left. \frac{n \delta - 1. \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}} - 1. n \sqrt{\frac{n^2 \delta^2}{(1. + n)^2}}}{1. + n} = 0 \right], \\
 & \{n \rightarrow 0, r \rightarrow 0, v \rightarrow \text{Indeterminate}, \\
 & \alpha \rightarrow \\
 & \text{ComplexInfinity}, \\
 & \eta \rightarrow \\
 & \text{Indeterminate} \} \}
 \end{aligned}$$

The kinds of counting are numerous, but we must understand that there is something very special about the infinity from which we count. To say there is none like it (him or her), would be just so silly. How can we use words to discuss infinity or even concepts of numbers, for that matter? Well, we can have some understanding of a calculus in which infinity of a kind meets infinity of a different kind.

That balance - where infinity meets infinity is at what I call, "one." Thus, understanding the number, "one," as a balance between infinity of differentiated qualia of dimensionality, how can we equate these differentiated kinds of one? Are all kinds of one within our visible universe? Did God create this Universe to be that very special infinity? We do not know how to find out specifically the answers to this question with decidability. Linguistically, there is undecidability, and rightfully so, for language needs a word for that which is undecidable. However the one who understands decidability and undecidability is most certainly considered, "sentient." Linguistically notated, remember that each place it says, "zero," within the limits and conditions, it should really say infinity, since we are counting back from infinity. The reader will have to interpret and contemplate these conditional expressions within their own balance of infinity.

## CHAPTER 5: SUB-SETS YIELD INTRA-DIMENSIONAL ALGEBRAIC DIMENSIONS OF V-CURVATURE (QUASI-VELOCITY).

$$In[ ] := \text{Solve}\left[\frac{\sqrt{\theta / \sqrt{1 - \frac{(v)^2}{c^2}}} \sqrt{\sqrt{1 - \frac{(v)^2}{c^2}} z} \sqrt{-\left(r \frac{(\alpha - \delta)}{(z \theta)} - 1\right) \left(r \frac{(\alpha + \delta)}{(z \theta)} - 1\right)}}{\delta} = \frac{\sqrt{(1 \alpha + x \gamma - r \theta) \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(1 \alpha - x \gamma + r \theta) / \sqrt{1 - \frac{v^2}{c^2}}}}{\alpha}, v\right]$$

$$Out[ ] := \left\{ \left\{ v \rightarrow - \left( \left( 1. \sqrt{ \left( 8.98755 \times 10^{16} r^2 \alpha^4 - 8.98755 \times 10^{16} r^2 \alpha^2 \delta^2 - 1.79751 \times 10^{17} r z \alpha^3 \theta + 8.98755 \times 10^{16} l^2 z \alpha^2 \delta^2 \theta - 8.98755 \times 10^{16} x^2 z \gamma^2 \delta^2 \theta + 8.98755 \times 10^{16} z^2 \alpha^2 \theta^2 + 1.79751 \times 10^{17} r x z \gamma \delta^2 \theta^2 - 8.98755 \times 10^{16} r^2 z \delta^2 \theta^3 \right) } \right) / \left( \sqrt{ \left( r^2 \alpha^4 - 1. r^2 \alpha^2 \delta^2 - 2. r z \alpha^3 \theta + l^2 z \alpha^2 \delta^2 \theta - 1. x^2 z \gamma^2 \delta^2 \theta + z^2 \alpha^2 \theta^2 + 2. r x z \gamma \delta^2 \theta^2 - 1. r^2 z \delta^2 \theta^3 \right) } \right) \right\}, \left\{ v \rightarrow \left( \sqrt{ \left( 8.98755 \times 10^{16} r^2 \alpha^4 - 8.98755 \times 10^{16} r^2 \alpha^2 \delta^2 - 1.79751 \times 10^{17} r z \alpha^3 \theta + 8.98755 \times 10^{16} l^2 z \alpha^2 \delta^2 \theta - 8.98755 \times 10^{16} x^2 z \gamma^2 \delta^2 \theta + 8.98755 \times 10^{16} z^2 \alpha^2 \theta^2 + 1.79751 \times 10^{17} r x z \gamma \delta^2 \theta^2 - 8.98755 \times 10^{16} r^2 z \delta^2 \theta^3 \right) } \right) / \left( \sqrt{ \left( r^2 \alpha^4 - 1. r^2 \alpha^2 \delta^2 - 2. r z \alpha^3 \theta + l^2 z \alpha^2 \delta^2 \theta - 1. x^2 z \gamma^2 \delta^2 \theta + z^2 \alpha^2 \theta^2 + 2. r x z \gamma \delta^2 \theta^2 - 1. r^2 z \delta^2 \theta^3 \right) } \right) \right\} \right\}$$

## CHAPTER 6: THE UNDECIDABILITY OF REALITY FROM SYMBOLIC NOTATION

$$h \rightarrow \frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha}$$

Recalling chapter one, because we can easily construct by algebraic manipulation,

the statement,  $\alpha * h = \sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}$ ,

we are therefore indicating the existence of something that is  $\alpha * h$ , which cannot really exist, because  $\alpha$  is just  $\alpha$ , and has no connection to the variable / dimension / parameter  $h$ . It is a created bit of information with no actuality in the diagram. This brings the question as to the way in which circles actually exist and if there are really any straight lines, waves or anything at all to discuss mathematically.



## Dimensional Fabrication: A Philosophy of Conceptual Dimensions

*Abstract : Formal dimensions exist independently of a delineated drawn form or architecture . The formation of these dimensions on paper yield quests as to which kind has more merit to be considered, "existent." These dimensions are outside the diagrammed form, but have formal structure through visualization in the imagination . Herein, I will designated dimensions conceived or fabricated from at least one delineated, diagrammed component with a \* and dimensions conceived or fabricated from only other fabricated dimensions with \*\*.*

## FROM: THE PREMISE OF AN ALGEBRAIC - GEOMETRIC LINGUISTIC NOTATION

$$\theta r = \gamma x - \alpha y \tag{13}$$

- Representing three delineated arc lengths in a diagram of arbitrary radius and arc length.

**0.0.1.**  $\theta r = s$

**0.0.2.**  $\gamma x = q$

**0.0.3.**  $\alpha y = p$

**0.0.4.**  $l \alpha = w$  ; an algebraically constructed arc length, existing in the language of algebra and/or philosophically, the mind of the investigator. What would the nature of the diagrammed architecture be if this dimension was granted more validity than the other three?

**0.0.5.**  $h \alpha = m$  ; an algebraically constructed arc length, existing in the language of algebra and/or philosophically, the mind of the investigator. What would the nature of the diagrammed architecture be if this dimension was granted more validity than the other three?

$$In[*]:= y^2 == l^2 - h^2 \tag{14}$$

$$\theta r = \gamma x - \alpha \sqrt{l^2 - h^2} \tag{15}$$

$$s == q - \alpha \sqrt{l^2 - h^2} \tag{16}$$

$$l \text{ Sin}[\beta] = h$$

$$SOH; h/l = \text{Sin}[\beta]$$

$$CAH; \gamma/l = \text{Cos}[\beta]$$

$$TOA; h/\gamma = \text{Tan}[\beta]$$

$$y = \frac{q - s}{\alpha} \tag{17}$$

$$In[*]:= \text{Solve}[\theta r == \gamma x - \alpha \sqrt{l^2 - h^2}, h]$$

$$Out[*]:= \left\{ \left\{ h \rightarrow -\frac{\sqrt{l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2}}{\alpha} \right\}, \left\{ h \rightarrow \frac{\sqrt{l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2}}{\alpha} \right\} \right\}$$

$$h = \frac{\sqrt{-q^2 + 2 q s - s^2 + w^2}}{\alpha}$$

Continuation:

$$m_* == h \alpha == \sqrt{-q^2 + 2 q s - s^2 + w^2}$$

$$\text{In[*]:= Simplify}[m^2 == -q^2 + 2qs - s^2 + w^2]$$

$$\text{Out[*]:= } m^2 + q^2 + s^2 == 2qs + w^2$$

$$\text{In[*]:= Solve}\left[h == \frac{\sqrt{-q^2 + 2qs - s^2 + w^2}}{\alpha}, w\right]$$

$$\text{Out[*]:= } \left\{ \left\{ w \rightarrow -\sqrt{q^2 - 2qs + s^2 + h^2\alpha^2} \right\}, \left\{ w \rightarrow \sqrt{q^2 - 2qs + s^2 + h^2\alpha^2} \right\} \right\}$$

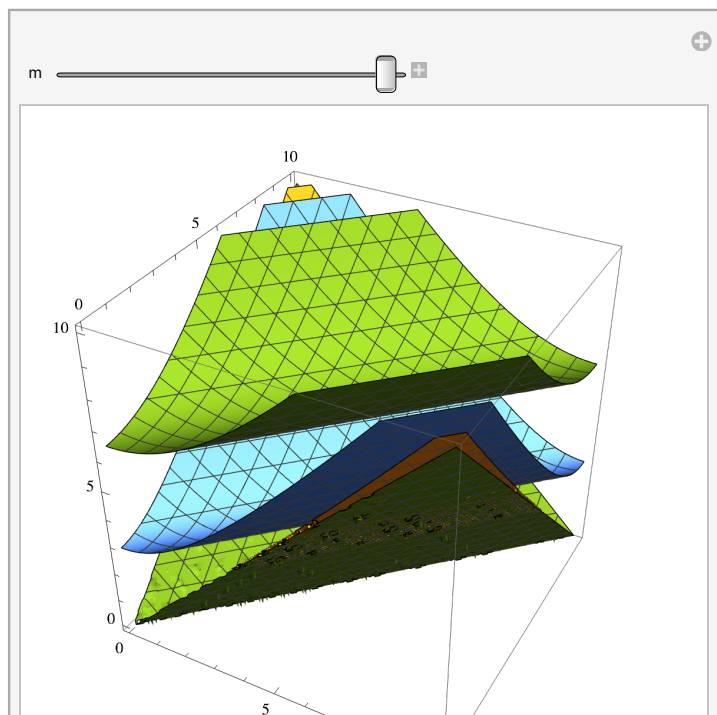
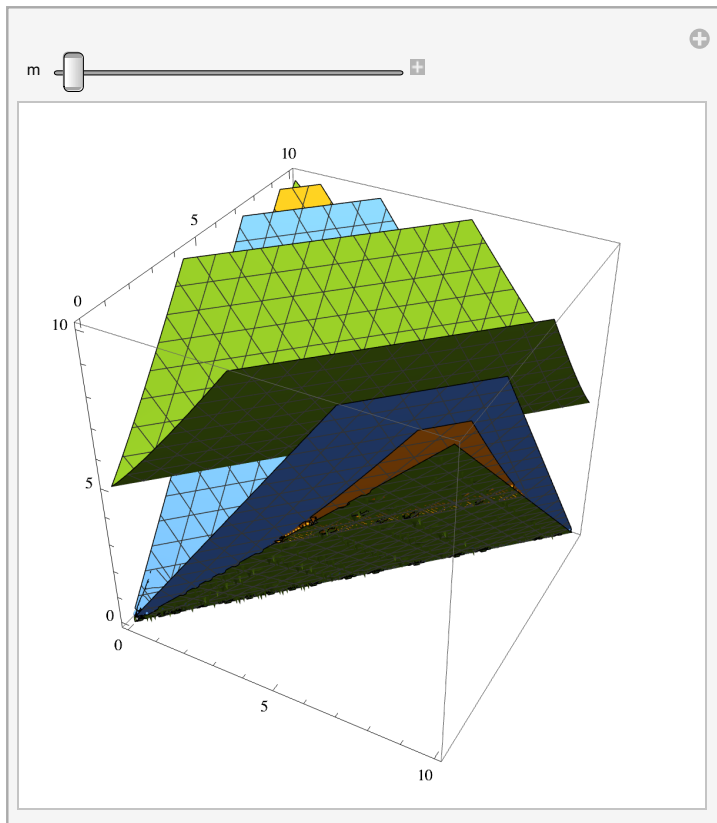
$$w_* == l\alpha == \sqrt{q^2 - 2qs + s^2 + h^2\alpha^2} = \sqrt{q^2 - 2qs + s^2 + m^2}$$

$$z_{**} == m_* - w_* == \sqrt{-q^2 + 2qs - s^2 +^2} - \sqrt{q^2 - 2qs + s^2 + m^2}$$

$$\text{Solve}\left[m - w == \sqrt{-q^2 + 2qs - s^2 + (l\alpha)^2} - \sqrt{q^2 - 2qs + s^2 + h^2\alpha^2}, w\right]$$

$$\text{Out[*]:= } \left\{ \left\{ w \rightarrow \frac{q^2 \sqrt{m^2 + q^2 - 2qs + s^2} - 2qs \sqrt{m^2 + q^2 - 2qs + s^2} + s^2 \sqrt{m^2 + q^2 - 2qs + s^2}}{q^2 - 2qs + s^2} \right\} \right\}$$

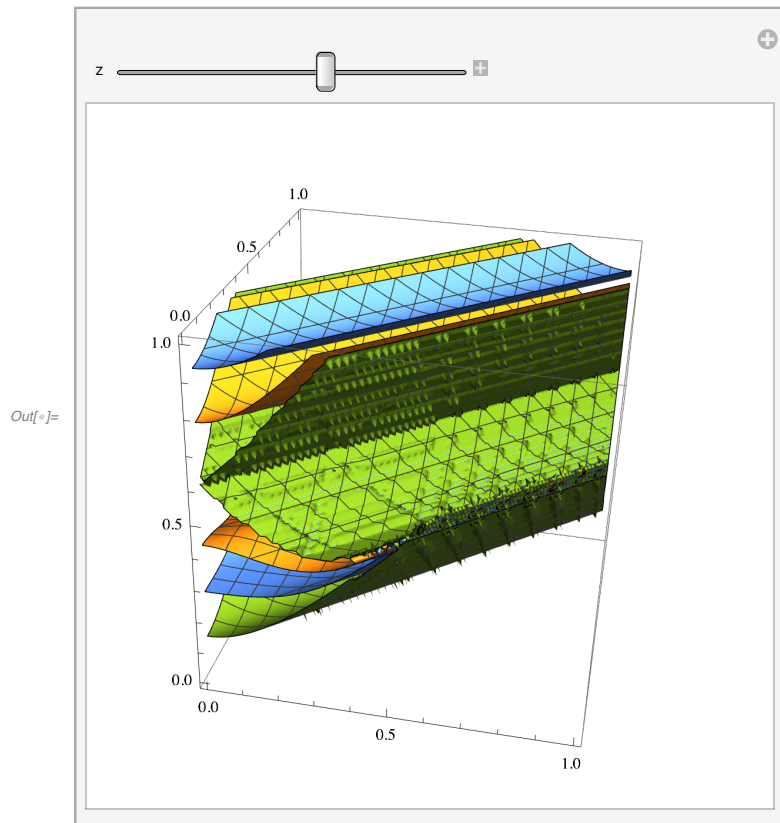
```
In[ ]:= Manipulate[ContourPlot3D[ $\sqrt{-q^2 + 2qs - s^2 + w^2} - \sqrt{q^2 - 2qs + s^2 + m^2}$ ,
  {q, 0, 10}, {s, 0, 10}, {w, 0, 10}], {m, 0, 10}]
```



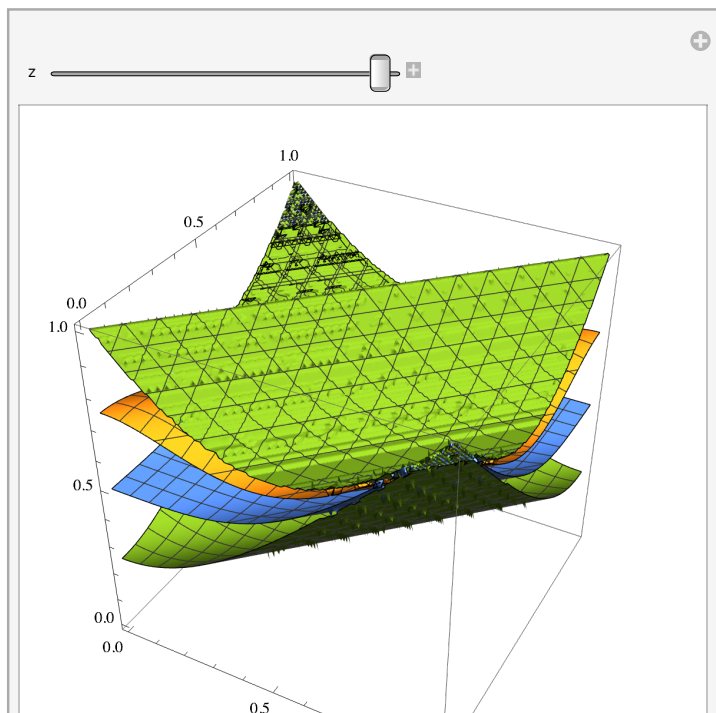
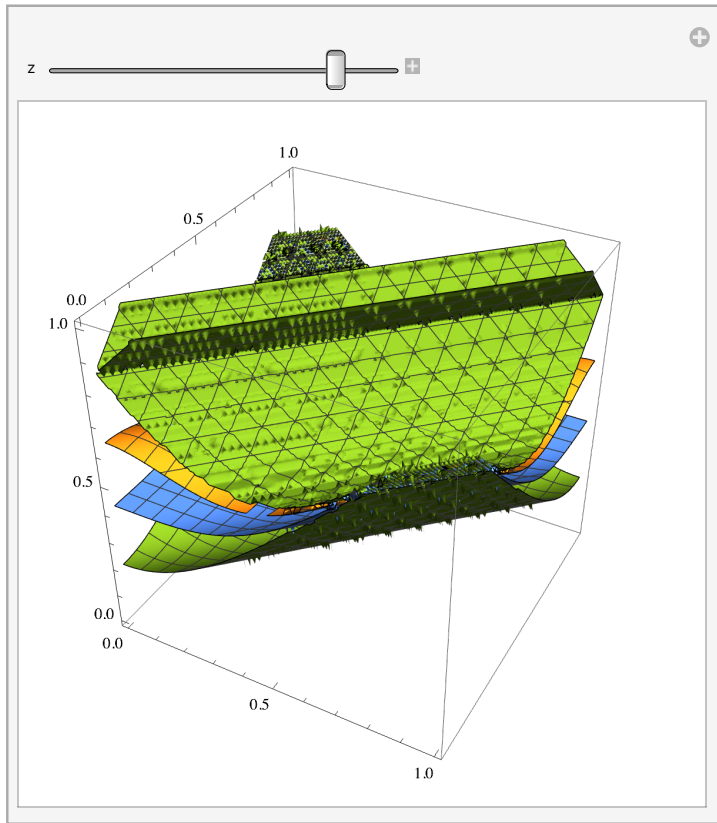
In[ ]:= Solve[z ==  $\sqrt{-q^2 + 2qs - s^2 + w^2} - \sqrt{q^2 - 2qs + s^2 + m^2}$ , m]

Out[ ]:= { {m ->  $-\sqrt{-2q^2 + 4qs - 2s^2 + w^2} - 2\sqrt{-q^2 + 2qs - s^2 + w^2}z + z^2$ },  
 {m ->  $\sqrt{-2q^2 + 4qs - 2s^2 + w^2} - 2\sqrt{-q^2 + 2qs - s^2 + w^2}z + z^2$ }}

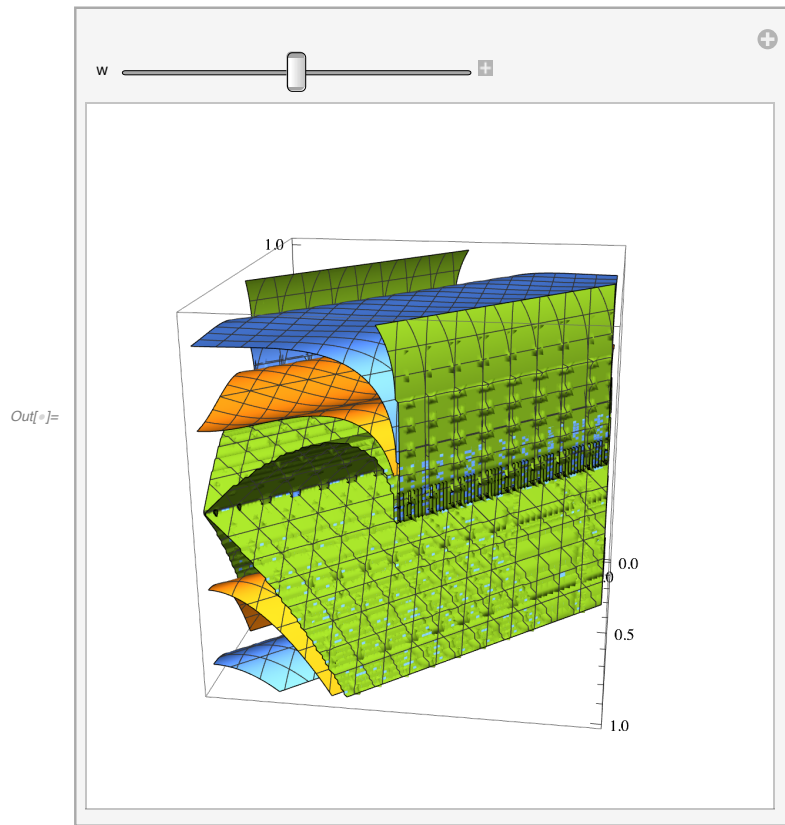
In[ ]:= Manipulate[ContourPlot3D[ $\sqrt{-2q^2 + 4qs - 2s^2 + w^2} - 2\sqrt{-q^2 + 2qs - s^2 + w^2}z + z^2$ ,  
 {q, 0, 1}, {s, 0, 1}, {w, 0, 1}], {z, 0, 1}]



```
In[ ]:= Manipulate[ContourPlot3D[ $\sqrt{-2 q^2 + 4 q s - 2 s^2 + w^2} - 2 \sqrt{-q^2 + 2 q s - s^2 + w^2} z + z^2$ ,
  {q, 0, 1}, {s, 0, 1}, {w, 0, 1}], {z, 0, 1}]
```



```
In[ ]:= Manipulate[ContourPlot3D[ $\sqrt{-2 q^2 + 4 q s - 2 s^2 + w^2} - 2 \sqrt{-q^2 + 2 q s - s^2 + w^2} z + z^2$ ,
  {q, 0, 1}, {z, 0, 1}, {s, 0, 1}], {w, 0, 1}]
```



# CHAPTER 7: ARC LENGTH DIFFERENCE ALGEBRA AND THE IMPLICIT, EMBEDDED DIMENSIONALITY OF V - CURVATURE; PHENOMENOLOGICAL VELOCITY : MANIFOLD WARPING WITH SCIENTIFIC METHOD

This paper was originally written around 2011, and it is now being adapted to the system of equations of difference between two arc lengths (a liberated system with without constraints) instead of difference between the circumferences of two circles (a hinged system with paradox) .

The original statement was :

$$\text{Solve} \left[ 2 \pi r - 2 \pi x - \theta r = = \frac{\sqrt{r} \sqrt{1 - \frac{(v)^2}{c^2}} \sqrt{\frac{\theta}{\sqrt{1 - \frac{(v)^2}{c^2}}}} \sqrt{4 \pi r - r \theta}}{2 \pi} / (r \text{Sin}[\beta]) - 1, x \right]$$

The adapted statement is :

$$\theta r = \gamma x - \alpha y$$

$$" \omega " = \gamma x - \alpha y - \theta r$$

$$h = \frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha} = l \text{Sin}[\beta] =$$

$$\frac{\sqrt{-((q - s - l \alpha)(q - s + l \alpha))}}{\alpha} = \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha}$$

$$" \omega " = \left( \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} / (l \text{Sin}[\beta]) \right) - 1$$

$$ln[ \omega ] = c := 2.99792458 \cdot 10^8$$

In[ ]:= Solve[

$$\gamma x - \alpha y - \theta r == \left( \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} / (l \sin[\beta]) \right) - 1, v]$$

Out[ ]:= { {v →

$$\begin{aligned} & - \left( \left( 1. \sqrt{(8.98755 \times 10^{16} l^2 \alpha^2 - 1.79751 \times 10^{17} l^2 y \alpha^3 + 8.98755 \times 10^{16} l^2 y^2 \alpha^4 + 1.79751 \times 10^{17} l^2 x \alpha^2 \gamma - 1.79751 \times 10^{17} l^2 x y \alpha^3 \gamma + 8.98755 \times 10^{16} l^2 x^2 \alpha^2 \gamma^2 - 1.79751 \times 10^{17} l^2 r \alpha^2 \theta + 1.79751 \times 10^{17} l^2 r y \alpha^3 \theta - 1.79751 \times 10^{17} l^2 r x \alpha^2 \gamma \theta + 8.98755 \times 10^{16} l^2 r^2 \alpha^2 \theta^2 - 8.98755 \times 10^{16} l^2 \alpha^2 \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} x^2 \gamma^2 \text{Csc}[\beta]^2 - 1.79751 \times 10^{17} r x \gamma \theta \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} r^2 \theta^2 \text{Csc}[\beta]^2)} \right) / \right. \\ & \left. \left( \sqrt{(l^2 \alpha^2 - 2. l^2 y \alpha^3 + l^2 y^2 \alpha^4 + 2. l^2 x \alpha^2 \gamma - 2. l^2 x y \alpha^3 \gamma + l^2 x^2 \alpha^2 \gamma^2 - 2. l^2 r \alpha^2 \theta + 2. l^2 r y \alpha^3 \theta - 2. l^2 r x \alpha^2 \gamma \theta + l^2 r^2 \alpha^2 \theta^2 - 1. l^2 \alpha^2 \text{Csc}[\beta]^2 + x^2 \gamma^2 \text{Csc}[\beta]^2 - 2. r x \gamma \theta \text{Csc}[\beta]^2 + r^2 \theta^2 \text{Csc}[\beta]^2)} \right) \right) \}, \\ & \{ v \rightarrow \left( \sqrt{(8.98755 \times 10^{16} l^2 \alpha^2 - 1.79751 \times 10^{17} l^2 y \alpha^3 + 8.98755 \times 10^{16} l^2 y^2 \alpha^4 + 1.79751 \times 10^{17} l^2 x \alpha^2 \gamma - 1.79751 \times 10^{17} l^2 x y \alpha^3 \gamma + 8.98755 \times 10^{16} l^2 x^2 \alpha^2 \gamma^2 - 1.79751 \times 10^{17} l^2 r \alpha^2 \theta + 1.79751 \times 10^{17} l^2 r y \alpha^3 \theta - 1.79751 \times 10^{17} l^2 r x \alpha^2 \gamma \theta + 8.98755 \times 10^{16} l^2 r^2 \alpha^2 \theta^2 - 8.98755 \times 10^{16} l^2 \alpha^2 \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} x^2 \gamma^2 \text{Csc}[\beta]^2 - 1.79751 \times 10^{17} r x \gamma \theta \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} r^2 \theta^2 \text{Csc}[\beta]^2)} \right) / \right. \\ & \left. \left( \sqrt{(l^2 \alpha^2 - 2. l^2 y \alpha^3 + l^2 y^2 \alpha^4 + 2. l^2 x \alpha^2 \gamma - 2. l^2 x y \alpha^3 \gamma + l^2 x^2 \alpha^2 \gamma^2 - 2. l^2 r \alpha^2 \theta + 2. l^2 r y \alpha^3 \theta - 2. l^2 r x \alpha^2 \gamma \theta + l^2 r^2 \alpha^2 \theta^2 - 1. l^2 \alpha^2 \text{Csc}[\beta]^2 + x^2 \gamma^2 \text{Csc}[\beta]^2 - 2. r x \gamma \theta \text{Csc}[\beta]^2 + r^2 \theta^2 \text{Csc}[\beta]^2)} \right) \right) \} \} \end{aligned}$$

In[ ]:= Solve[

$$\gamma x - \alpha y - \theta r == \left( \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} / (l \sin[\beta]) \right) - 1, x]$$

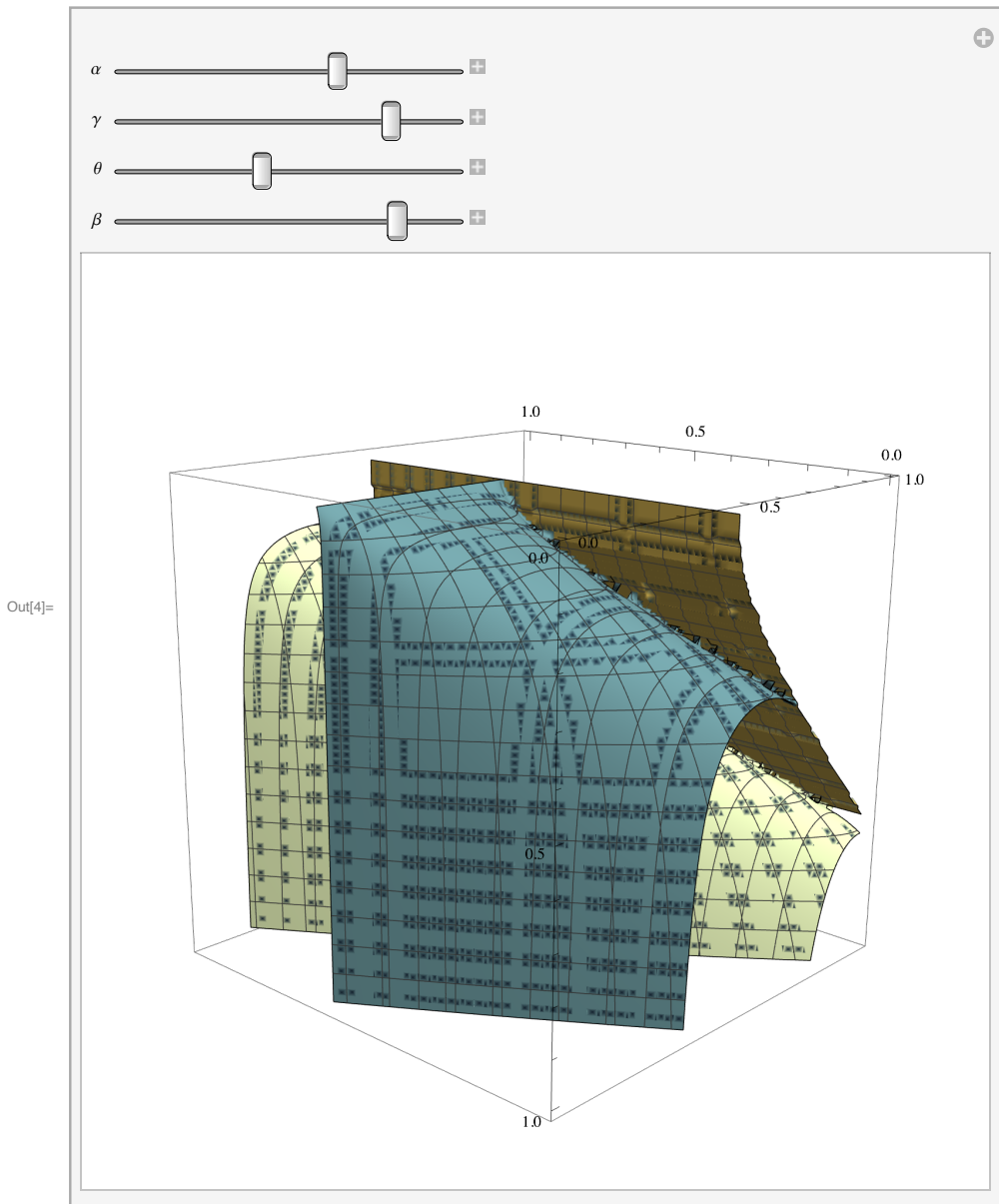
$$\begin{aligned} & \{ x \rightarrow \frac{1}{2 \gamma^2 (l^2 \alpha^2 + \text{Csc}[\beta]^2)} \left( -\gamma (2 l^2 \alpha^2 - 2 l^2 y \alpha^3 - 2 l^2 r \alpha^2 \theta - 2 r \theta \text{Csc}[\beta]^2) - \right. \\ & \quad \left. \sqrt{2} \sqrt{(l^2 \alpha^2 \gamma^2 \text{Csc}[\beta]^4 + 2 l^2 y \alpha^3 \gamma^2 \text{Csc}[\beta]^4 + l^4 \alpha^4 \gamma^2 \text{Csc}[\beta]^4 - l^2 y^2 \alpha^4 \gamma^2 \text{Csc}[\beta]^4 + l^2 \alpha^2 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - 2 l^2 y \alpha^3 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - l^4 \alpha^4 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 + l^2 y^2 \alpha^4 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4)} \right) \right) \}, \\ & \{ x \rightarrow \frac{1}{2 \gamma^2 (l^2 \alpha^2 + \text{Csc}[\beta]^2)} \left( -\gamma (2 l^2 \alpha^2 - 2 l^2 y \alpha^3 - 2 l^2 r \alpha^2 \theta - 2 r \theta \text{Csc}[\beta]^2) + \right. \\ & \quad \left. \sqrt{2} \sqrt{(l^2 \alpha^2 \gamma^2 \text{Csc}[\beta]^4 + 2 l^2 y \alpha^3 \gamma^2 \text{Csc}[\beta]^4 + l^4 \alpha^4 \gamma^2 \text{Csc}[\beta]^4 - l^2 y^2 \alpha^4 \gamma^2 \text{Csc}[\beta]^4 + l^2 \alpha^2 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - 2 l^2 y \alpha^3 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - l^4 \alpha^4 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 + l^2 y^2 \alpha^4 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4)} \right) \right) \} \} \end{aligned}$$



In[4]:= Manipulate[

```
ContourPlot3D[
$$\frac{1}{2 \gamma^2 (\Gamma^2 \alpha^2 + \text{Csc}[\beta]^2)} \left( -\gamma (2 \Gamma^2 \alpha^2 - 2 \Gamma^2 y \alpha^3 - 2 \Gamma^2 r \alpha^2 \theta - 2 r \theta \text{Csc}[\beta]^2) + \sqrt{2} \sqrt{(\Gamma^2 \alpha^2 \gamma^2 \text{Csc}[\beta]^4 + 2 \Gamma^2 y \alpha^3 \gamma^2 \text{Csc}[\beta]^4 + \Gamma^4 \alpha^4 \gamma^2 \text{Csc}[\beta]^4 - \Gamma^2 y^2 \alpha^4 \gamma^2 \text{Csc}[\beta]^4 + \Gamma^2 \alpha^2 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - 2 \Gamma^2 y \alpha^3 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - \Gamma^4 \alpha^4 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 + \Gamma^2 y^2 \alpha^4 \gamma^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4)} \right), \{ \Gamma, 0, 1 \}, \{ r, 0, 1 \}, \{ y, 0, 1 \}, \text{ColorFunction} \rightarrow \text{"StarryNightColors"}], \{ \alpha, 0, 2 \pi \}, \{ \gamma, 0, 2 \pi \}, \{ \theta, 0, 2 \pi \}, \{ \beta, 0, \pi / 2 \}]$$

```

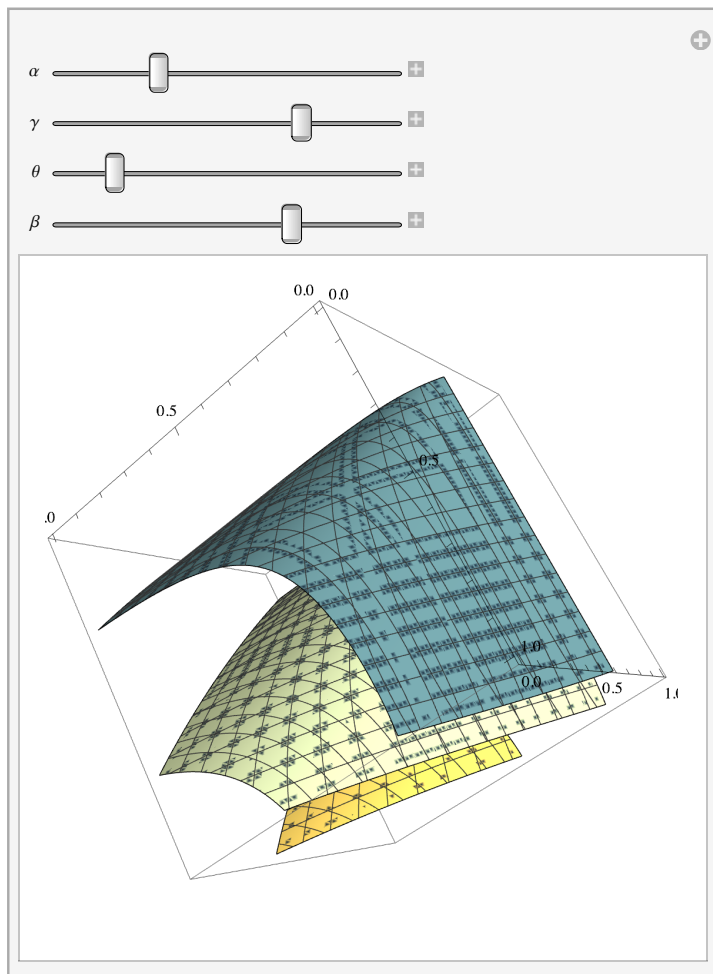


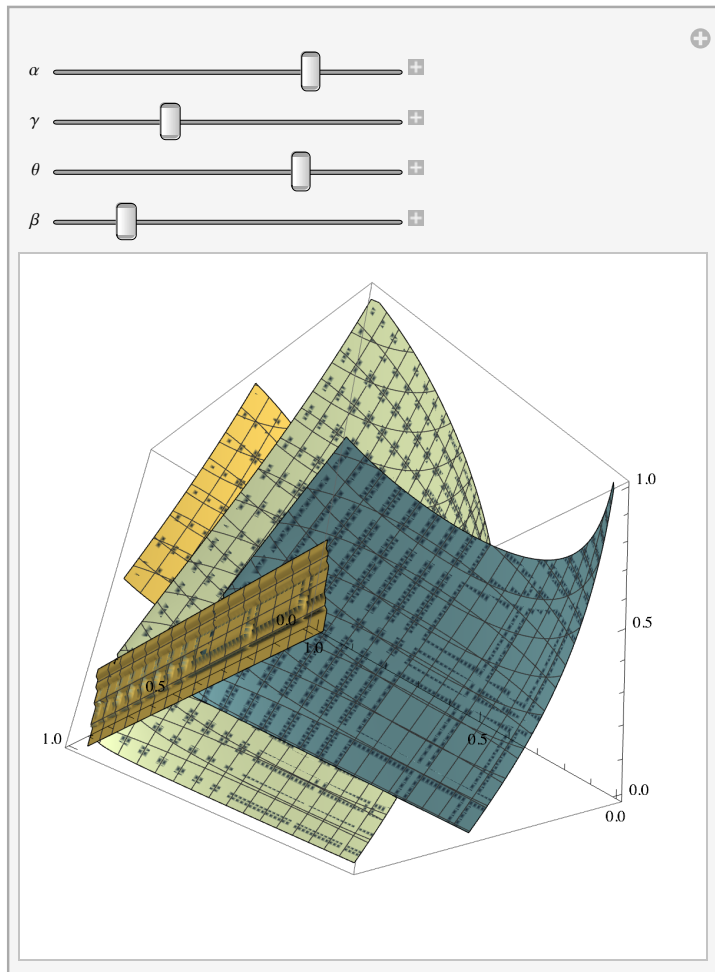
Out[4]=

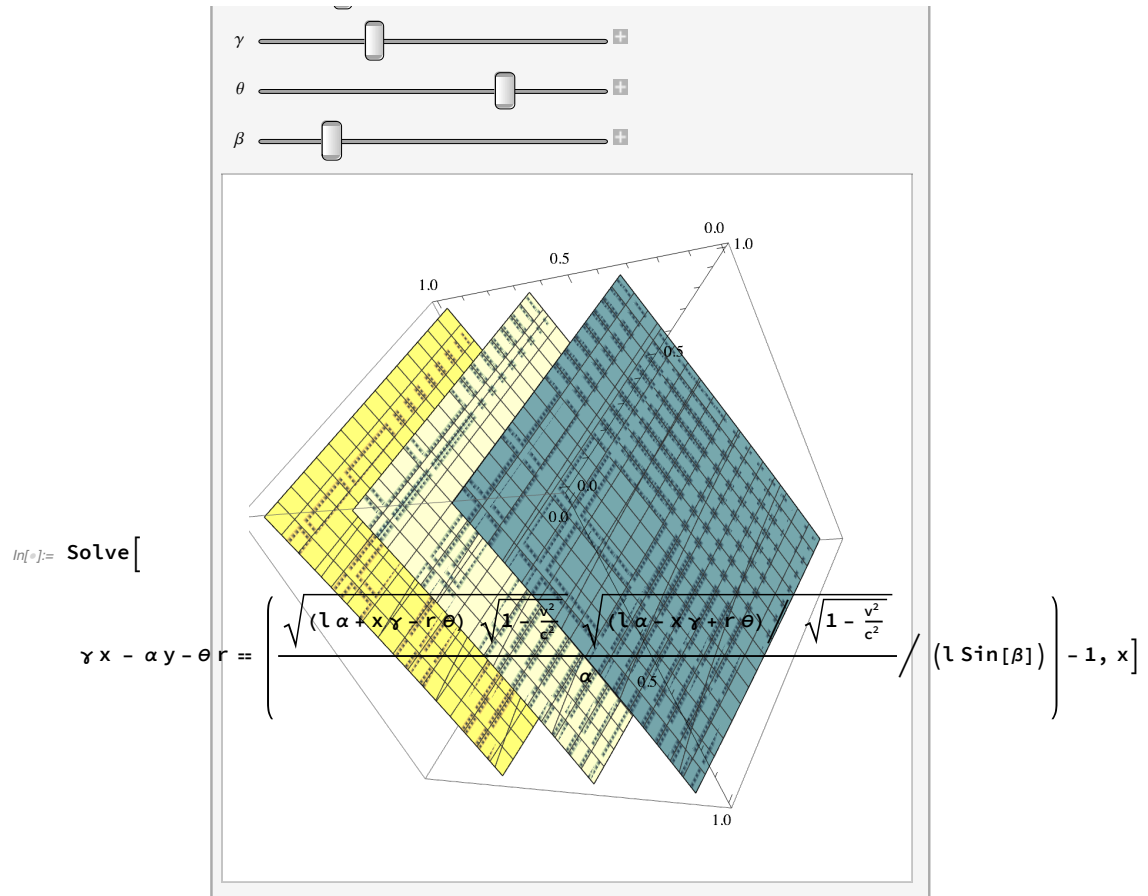
Infinity: Indeterminate expression 0 ComplexInfinity encountered.

Infinity: Indeterminate expression 0 r ComplexInfinity encountered.

- ... **Infinity**: Indeterminate expression  $0 \cdot 1^2$  ComplexInfinity encountered.
- ... **General**: Further output of Infinity::indet will be suppressed during this calculation.
- ... **Infinity**: Indeterminate expression  $0$  ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression  $0 \cdot r$  ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression  $0 \cdot 1^2$  ComplexInfinity encountered.
- ... **General**: Further output of Infinity::indet will be suppressed during this calculation.
- ... **Power**: Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity**: Indeterminate expression  $0$ . ComplexInfinity encountered.
- ... **Power**: Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity**: Indeterminate expression  $0$ . ComplexInfinity encountered.
- ... **Power**: Infinite expression  $\frac{1}{0}$  encountered.
- ... **General**: Further output of Power::infy will be suppressed during this calculation.
- ... **Infinity**: Indeterminate expression  $0$ . ComplexInfinity encountered.
- ... **General**: Further output of Infinity::indet will be suppressed during this calculation.





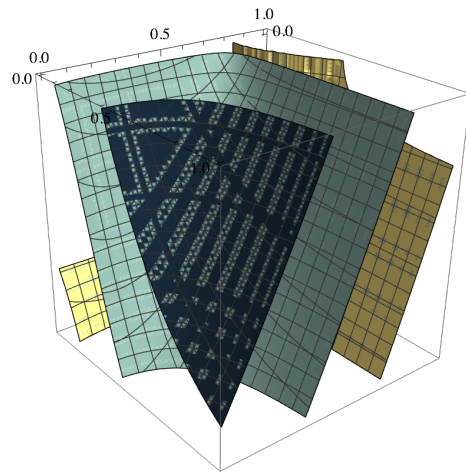
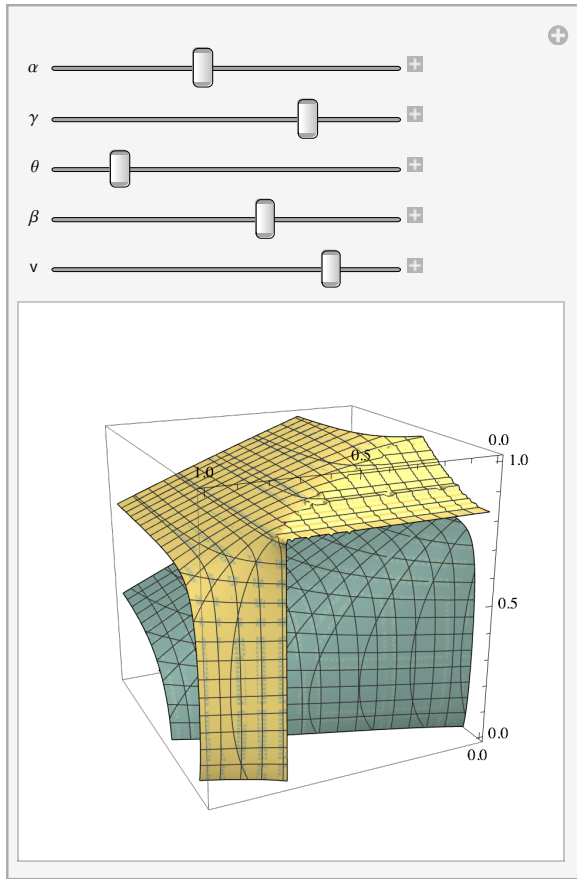


$$\begin{aligned}
 \text{Out[ ]} = & \left\{ \left\{ x \rightarrow \right. \right. \\
 & \left( 0.5 \left( -1. \gamma \left( -1.79751 \times 10^{17} l^2 \alpha^2 + 2. l^2 v^2 \alpha^2 + 1.79751 \times 10^{17} l^2 y \alpha^3 - 2. l^2 v^2 y \alpha^3 + 1.79751 \times \right. \right. \right. \\
 & \quad \left. \left. \left. 10^{17} l^2 r \alpha^2 \theta - 2. l^2 r v^2 \alpha^2 \theta + 1.79751 \times 10^{17} r \theta \text{Csc}[\beta]^2 - 2. r v^2 \theta \text{Csc}[\beta]^2 \right) - \right. \right. \\
 & \quad 1. \sqrt{\left( \gamma^2 \left( -1.79751 \times 10^{17} l^2 \alpha^2 + 2. l^2 v^2 \alpha^2 + 1.79751 \times 10^{17} l^2 y \alpha^3 - \right. \right. \\
 & \quad \quad 2. l^2 v^2 y \alpha^3 + 1.79751 \times 10^{17} l^2 r \alpha^2 \theta - 2. l^2 r v^2 \alpha^2 \theta + \\
 & \quad \quad \left. \left. 1.79751 \times 10^{17} r \theta \text{Csc}[\beta]^2 - 2. r v^2 \theta \text{Csc}[\beta]^2 \right)^2 - \right. \\
 & \quad 4. \gamma^2 \left( -8.98755 \times 10^{16} l^2 \alpha^2 + l^2 v^2 \alpha^2 - 8.98755 \times 10^{16} \text{Csc}[\beta]^2 + v^2 \text{Csc}[\beta]^2 \right) \\
 & \quad \left( -8.98755 \times 10^{16} l^2 \alpha^2 + 1. l^2 v^2 \alpha^2 + 1.79751 \times 10^{17} l^2 y \alpha^3 - 2. l^2 v^2 y \right. \\
 & \quad \quad \alpha^3 - 8.98755 \times 10^{16} l^2 y^2 \alpha^4 + 1. l^2 v^2 y^2 \alpha^4 + 1.79751 \times 10^{17} l^2 r \alpha^2 \theta - 2. \\
 & \quad \quad l^2 r v^2 \alpha^2 \theta - 1.79751 \times 10^{17} l^2 r y \alpha^3 \theta + 2. l^2 r v^2 y \alpha^3 \theta - 8.98755 \times 10^{16} \\
 & \quad \quad l^2 r^2 \alpha^2 \theta^2 + 1. l^2 r^2 v^2 \alpha^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Csc}[\beta]^2 - 1. l^2 v^2 \\
 & \quad \quad \left. \left. \left. \alpha^2 \text{Csc}[\beta]^2 - 8.98755 \times 10^{16} r^2 \theta^2 \text{Csc}[\beta]^2 + 1. r^2 v^2 \theta^2 \text{Csc}[\beta]^2 \right) \right) \right) \right) / \\
 & \quad \left. \left. \left. \left( \gamma^2 \left( -8.98755 \times 10^{16} l^2 \alpha^2 + l^2 v^2 \alpha^2 - 8.98755 \times 10^{16} \text{Csc}[\beta]^2 + v^2 \text{Csc}[\beta]^2 \right) \right) \right) \right\}, \right. \\
 & \left. \left\{ x \rightarrow \left( 0.5 \left( -1. \gamma \left( -1.79751 \times 10^{17} l^2 \alpha^2 + 2. l^2 v^2 \alpha^2 + 1.79751 \times 10^{17} l^2 y \alpha^3 - \right. \right. \right. \right. \right. \\
 & \quad \left. \left. \left. 2. l^2 v^2 y \alpha^3 + 1.79751 \times 10^{17} l^2 r \alpha^2 \theta - 2. l^2 r v^2 \alpha^2 \theta + \right. \right. \right. \\
 & \quad \left. \left. \left. 1.79751 \times 10^{17} r \theta \text{Csc}[\beta]^2 - 2. r v^2 \theta \text{Csc}[\beta]^2 \right) + \right. \right. \\
 & \quad \left. \sqrt{\left( \gamma^2 \left( -1.79751 \times 10^{17} l^2 \alpha^2 + 2. l^2 v^2 \alpha^2 + 1.79751 \times 10^{17} l^2 y \alpha^3 - \right. \right. \right. \\
 & \quad \quad 2. l^2 v^2 y \alpha^3 + 1.79751 \times 10^{17} l^2 r \alpha^2 \theta - 2. l^2 r v^2 \alpha^2 \theta + \\
 & \quad \quad \left. \left. 1.79751 \times 10^{17} r \theta \text{Csc}[\beta]^2 - 2. r v^2 \theta \text{Csc}[\beta]^2 \right)^2 - \right. \\
 & \quad 4. \gamma^2 \left( -8.98755 \times 10^{16} l^2 \alpha^2 + l^2 v^2 \alpha^2 - 8.98755 \times 10^{16} \text{Csc}[\beta]^2 + v^2 \text{Csc}[\beta]^2 \right) \\
 & \quad \left( -8.98755 \times 10^{16} l^2 \alpha^2 + 1. l^2 v^2 \alpha^2 + 1.79751 \times 10^{17} l^2 y \alpha^3 - 2. l^2 v^2 y \alpha^3 - \right. \\
 & \quad \quad 8.98755 \times 10^{16} l^2 y^2 \alpha^4 + 1. l^2 v^2 y^2 \alpha^4 + 1.79751 \times 10^{17} l^2 r \alpha^2 \theta - \\
 & \quad \quad 2. l^2 r v^2 \alpha^2 \theta - 1.79751 \times 10^{17} l^2 r y \alpha^3 \theta + 2. l^2 r v^2 y \alpha^3 \theta - \\
 & \quad \quad \left. \left. 8.98755 \times 10^{16} l^2 r^2 \alpha^2 \theta^2 + 1. l^2 r^2 v^2 \alpha^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Csc}[\beta]^2 - \right. \right. \\
 & \quad \quad \left. \left. \left. 1. l^2 v^2 \alpha^2 \text{Csc}[\beta]^2 - 8.98755 \times 10^{16} r^2 \theta^2 \text{Csc}[\beta]^2 + 1. r^2 v^2 \theta^2 \text{Csc}[\beta]^2 \right) \right) \right) \right) / \\
 & \quad \left. \left. \left. \left( \gamma^2 \left( -8.98755 \times 10^{16} l^2 \alpha^2 + l^2 v^2 \alpha^2 - 8.98755 \times 10^{16} \text{Csc}[\beta]^2 + v^2 \text{Csc}[\beta]^2 \right) \right) \right) \right\} \right\}
 \end{aligned}$$

```

In[ ]:= Manipulate[ContourPlot3D[
  (0.5` (-1.` γ (-1.7975103574736352`*^17 l^2 α^2 + 2.` l^2 v^2 α^2 + 1.7975103574736352`*^17
    l^2 y α^3 - 2.` l^2 v^2 y α^3 + 1.7975103574736352`*^17 l^2 r α^2 θ -
    2.` l^2 r v^2 α^2 θ + 1.7975103574736352`*^17 r θ Csc[β]^2 - 2.` r v^2 θ Csc[β]^2) +
    √(γ^2 (-1.7975103574736352`*^17 l^2 α^2 + 2.` l^2 v^2 α^2 + 1.7975103574736352`*^17
    l^2 y α^3 - 2.` l^2 v^2 y α^3 + 1.7975103574736352`*^17 l^2 r α^2 θ - 2.` l^2 r
    v^2 α^2 θ + 1.7975103574736352`*^17 r θ Csc[β]^2 - 2.` r v^2 θ Csc[β]^2)^2 -
    4.` γ^2 (-8.987551787368176`*^16 l^2 α^2 + l^2 v^2 α^2 - 8.987551787368176`*^16
    Csc[β]^2 + v^2 Csc[β]^2) (-8.987551787368176`*^16 l^2 α^2 + 1.` l^2 v^2 α^2 +
    1.7975103574736352`*^17 l^2 y α^3 - 2.` l^2 v^2 y α^3 - 8.987551787368176`*^16
    l^2 y^2 α^4 + 1.` l^2 v^2 y^2 α^4 + 1.7975103574736352`*^17 l^2 r α^2 θ - 2.` l^2 r v^2 α^2 θ -
    1.7975103574736352`*^17 l^2 r y α^3 θ + 2.` l^2 r v^2 y α^3 θ - 8.987551787368176`*^16
    l^2 r^2 α^2 θ^2 + 1.` l^2 r^2 v^2 α^2 θ^2 + 8.987551787368176`*^16 l^2 α^2 Csc[β]^2 - 1.` l^2 v^2
    α^2 Csc[β]^2 - 8.987551787368176`*^16 r^2 θ^2 Csc[β]^2 + 1.` r^2 v^2 θ^2 Csc[β]^2)))/
  (γ^2 (-8.987551787368176`*^16 l^2 α^2 + l^2 v^2 α^2 - 8.987551787368176`*^16 Csc[β]^2 +
    v^2 Csc[β]^2)),
  {l, 0, 1}, {r, 0, 1}, {y, 0, 1}, ColorFunction ->
  "StarryNightColors"], {α,
0,
2
  π}, {γ,
0,
2
  π}, {θ,
0, 2
  π}, {β,
0, π /
  2}, {v,
0, c}
]

```



In[ ]:= Solve[

$$\gamma x - \alpha y - \theta r = \left( \frac{\sqrt{(l \alpha + x \gamma - r \theta) \sqrt{1 - \frac{v^2}{c^2}}} \sqrt{(l \alpha - x \gamma + r \theta) / \sqrt{1 - \frac{v^2}{c^2}}}}{\alpha} \right) / (l \sin[\beta]) - 1, v ]$$

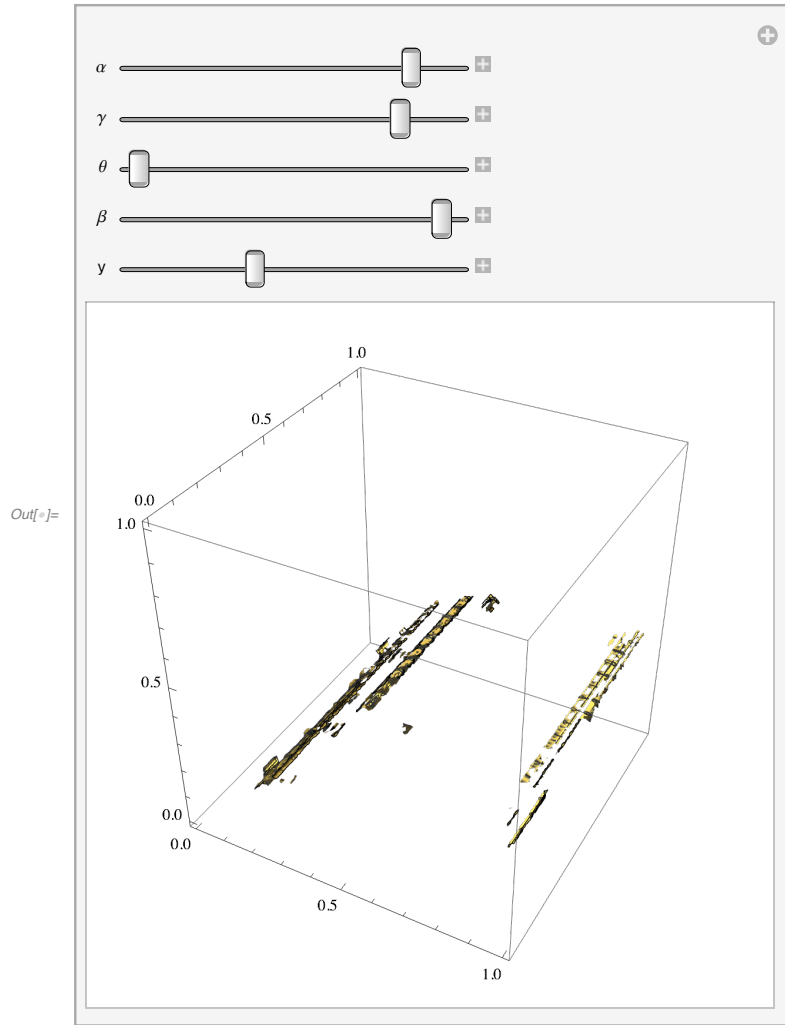
Out[ ]:= { {v →

$$\begin{aligned} & - \left( \left( 1. \sqrt{(8.98755 \times 10^{16} l^2 \alpha^2 - 1.79751 \times 10^{17} l^2 y \alpha^3 + 8.98755 \times 10^{16} l^2 y^2 \alpha^4 + 1.79751 \times 10^{17} l^2 \right. \right. \\ & \quad x \alpha^2 \gamma - 1.79751 \times 10^{17} l^2 x y \alpha^3 \gamma + 8.98755 \times 10^{16} l^2 x^2 \alpha^2 \gamma^2 - \\ & \quad 1.79751 \times 10^{17} l^2 r \alpha^2 \theta + 1.79751 \times 10^{17} l^2 r y \alpha^3 \theta - 1.79751 \times 10^{17} l^2 r x \alpha^2 \gamma \theta + \\ & \quad 8.98755 \times 10^{16} l^2 r^2 \alpha^2 \theta^2 - 8.98755 \times 10^{16} l^2 \alpha^2 \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} x^2 \gamma^2 \text{Csc}[\beta]^2 - \\ & \quad \left. \left. 1.79751 \times 10^{17} r x \gamma \theta \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} r^2 \theta^2 \text{Csc}[\beta]^2 \right) \right) / \\ & \left( \sqrt{(l^2 \alpha^2 - 2. l^2 y \alpha^3 + l^2 y^2 \alpha^4 + 2. l^2 x \alpha^2 \gamma - 2. l^2 x y \alpha^3 \gamma + l^2 x^2 \alpha^2 \gamma^2 - \right. \\ & \quad 2. l^2 r \alpha^2 \theta + 2. l^2 r y \alpha^3 \theta - 2. l^2 r x \alpha^2 \gamma \theta + l^2 r^2 \alpha^2 \theta^2 - \\ & \quad \left. 1. l^2 \alpha^2 \text{Csc}[\beta]^2 + x^2 \gamma^2 \text{Csc}[\beta]^2 - 2. r x \gamma \theta \text{Csc}[\beta]^2 + r^2 \theta^2 \text{Csc}[\beta]^2) \right) \}, \\ & \{v \rightarrow \left( \sqrt{(8.98755 \times 10^{16} l^2 \alpha^2 - 1.79751 \times 10^{17} l^2 y \alpha^3 + 8.98755 \times 10^{16} l^2 y^2 \alpha^4 + \right. \\ & \quad 1.79751 \times 10^{17} l^2 x \alpha^2 \gamma - 1.79751 \times 10^{17} l^2 x y \alpha^3 \gamma + 8.98755 \times 10^{16} l^2 x^2 \alpha^2 \gamma^2 - \\ & \quad 1.79751 \times 10^{17} l^2 r \alpha^2 \theta + 1.79751 \times 10^{17} l^2 r y \alpha^3 \theta - 1.79751 \times 10^{17} l^2 r x \alpha^2 \gamma \theta + \\ & \quad 8.98755 \times 10^{16} l^2 r^2 \alpha^2 \theta^2 - 8.98755 \times 10^{16} l^2 \alpha^2 \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} x^2 \gamma^2 \text{Csc}[\beta]^2 - \\ & \quad \left. \left. 1.79751 \times 10^{17} r x \gamma \theta \text{Csc}[\beta]^2 + 8.98755 \times 10^{16} r^2 \theta^2 \text{Csc}[\beta]^2 \right) \right) / \\ & \left( \sqrt{(l^2 \alpha^2 - 2. l^2 y \alpha^3 + l^2 y^2 \alpha^4 + 2. l^2 x \alpha^2 \gamma - 2. l^2 x y \alpha^3 \gamma + l^2 x^2 \alpha^2 \gamma^2 - \right. \\ & \quad 2. l^2 r \alpha^2 \theta + 2. l^2 r y \alpha^3 \theta - 2. l^2 r x \alpha^2 \gamma \theta + l^2 r^2 \alpha^2 \theta^2 - \\ & \quad \left. 1. l^2 \alpha^2 \text{Csc}[\beta]^2 + x^2 \gamma^2 \text{Csc}[\beta]^2 - 2. r x \gamma \theta \text{Csc}[\beta]^2 + r^2 \theta^2 \text{Csc}[\beta]^2) \right) \} \} \end{aligned}$$

In[ ]:= Manipulate[

$$\begin{aligned} & \text{ContourPlot3D} \left[ \left( \sqrt{(8.987551787368176 \cdot 10^{16} l^2 \alpha^2 - 1.7975103574736352 \cdot 10^{17} l^2 y \alpha^3 + \right. \right. \\ & \quad 8.987551787368176 \cdot 10^{16} l^2 y^2 \alpha^4 + 1.7975103574736352 \cdot 10^{17} l^2 x \alpha^2 \gamma - \\ & \quad 1.7975103574736352 \cdot 10^{17} l^2 x y \alpha^3 \gamma + 8.987551787368176 \cdot 10^{16} l^2 x^2 \alpha^2 \gamma^2 - \\ & \quad 1.7975103574736352 \cdot 10^{17} l^2 r \alpha^2 \theta + 1.7975103574736352 \cdot 10^{17} l^2 r y \alpha^3 \theta - \\ & \quad 1.7975103574736352 \cdot 10^{17} l^2 r x \alpha^2 \gamma \theta + 8.987551787368176 \cdot 10^{16} l^2 r^2 \alpha^2 \theta^2 - \\ & \quad 8.987551787368176 \cdot 10^{16} l^2 \alpha^2 \text{Csc}[\beta]^2 + 8.987551787368176 \cdot 10^{16} x^2 \gamma^2 \text{Csc}[\beta]^2 - \\ & \quad \left. \left. 1.7975103574736352 \cdot 10^{17} r x \gamma \theta \text{Csc}[\beta]^2 + 8.987551787368176 \cdot 10^{16} r^2 \theta^2 \text{Csc}[\beta]^2 \right) \right) / \\ & \left( \sqrt{(l^2 \alpha^2 - 2. l^2 y \alpha^3 + l^2 y^2 \alpha^4 + 2. l^2 x \alpha^2 \gamma - 2. l^2 x y \alpha^3 \gamma + l^2 x^2 \alpha^2 \gamma^2 - \right. \\ & \quad 2. l^2 r \alpha^2 \theta + 2. l^2 r y \alpha^3 \theta - 2. l^2 r x \alpha^2 \gamma \theta + l^2 r^2 \alpha^2 \theta^2 - \\ & \quad \left. 1. l^2 \alpha^2 \text{Csc}[\beta]^2 + x^2 \gamma^2 \text{Csc}[\beta]^2 - 2. r x \gamma \theta \text{Csc}[\beta]^2 + r^2 \theta^2 \text{Csc}[\beta]^2) \right) \}, \\ & \{l, 0, 1\}, \{r, 0, 1\}, \{x, 0, 1\}, \text{ColorFunction} \rightarrow \text{"StarryNightColors"}, \{\alpha, \\ & 0, \\ & 2 \pi\}, \{\gamma, \\ & 0, \\ & 2 \pi\}, \{\theta, \\ & 0, \\ & 2 \pi\}, \{\beta, \\ & 0, \\ & \pi / 2\}, \{y, \\ & 0, 1\} \end{aligned}$$





- ... **Infinity**: Indeterminate expression 0. ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression 0.  $x^2$  ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression 0.  $x$  ComplexInfinity encountered.
- ... **General**: Further output of Infinity::indet will be suppressed during this calculation.
- ... **Infinity**: Indeterminate expression 0.  $x^2$  ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression 0.  $x$  ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression 0. ComplexInfinity encountered.
- ... **General**: Further output of Infinity::indet will be suppressed during this calculation.
- ... **Infinity**: Indeterminate expression 0.  $x$  ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression 0. ComplexInfinity encountered.
- ... **Infinity**: Indeterminate expression 0.  $x$  ComplexInfinity encountered.
- ... **General**: Further output of Infinity::indet will be suppressed during this calculation.
- ... **Infinity**: Indeterminate expression  
 $1.74334 \times 10^{13} + \text{ComplexInfinity} + \text{ComplexInfinity} + \text{ComplexInfinity} + \text{ComplexInfinity}$  encountered.

- ... **Infinity:** Indeterminate expression 0.000193973  
+ ComplexInfinity + ComplexInfinity + ComplexInfinity + ComplexInfinity encountered.
- ... **Infinity:** Indeterminate expression  
 $1.74334 \times 10^{13}$  + ComplexInfinity + ComplexInfinity + ComplexInfinity + ComplexInfinity encountered.
- ... **General:** Further output of Infinity::indet will be suppressed during this calculation.
- ... **Infinity:** Indeterminate expression  
 $3.78756 \times 10^{14}$  + ComplexInfinity + ComplexInfinity + ComplexInfinity + ComplexInfinity encountered.
- ... **Infinity:** Indeterminate expression 0.00421423  
+ ComplexInfinity + ComplexInfinity + ComplexInfinity + ComplexInfinity encountered.
- ... **Infinity:** Indeterminate expression  
 $3.78756 \times 10^{14}$  + ComplexInfinity + ComplexInfinity + ComplexInfinity + ComplexInfinity encountered.
- ... **General:** Further output of Infinity::indet will be suppressed during this calculation.

In[ ]:= Solve[

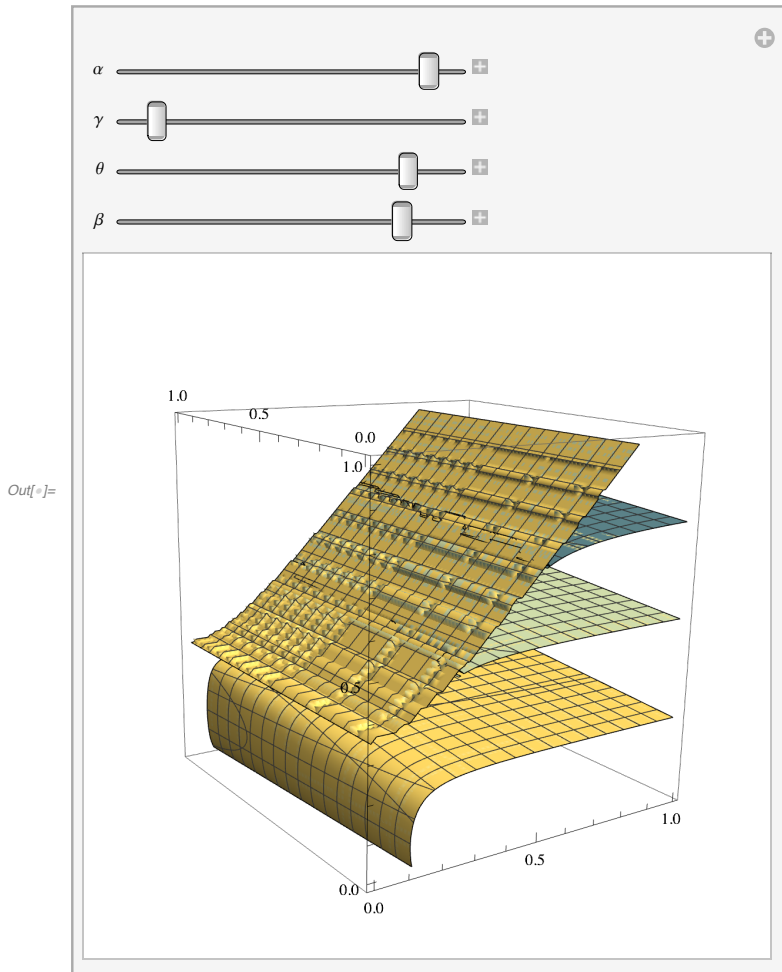
$$\gamma x - \alpha y - \theta r = \left( \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} / (l \sin[\beta]) \right) - 1, r]$$

$$\text{Out[ ]} = \left\{ \left\{ r \rightarrow \frac{1}{2 \theta^2 (l^2 \alpha^2 + \text{Csc}[\beta]^2)} \left( -\theta \left( -2 l^2 \alpha^2 + 2 l^2 y \alpha^3 - 2 l^2 x \alpha^2 \gamma - 2 x \gamma \text{Csc}[\beta]^2 \right) - \sqrt{2} \sqrt{(l^2 \alpha^2 \theta^2 \text{Csc}[\beta]^4 + 2 l^2 y \alpha^3 \theta^2 \text{Csc}[\beta]^4 + l^4 \alpha^4 \theta^2 \text{Csc}[\beta]^4 - l^2 y^2 \alpha^4 \theta^2 \text{Csc}[\beta]^4 + l^2 \alpha^2 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - 2 l^2 y \alpha^3 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - l^4 \alpha^4 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 + l^2 y^2 \alpha^4 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4)} \right) \right\}, \left\{ r \rightarrow \frac{1}{2 \theta^2 (l^2 \alpha^2 + \text{Csc}[\beta]^2)} \left( -\theta \left( -2 l^2 \alpha^2 + 2 l^2 y \alpha^3 - 2 l^2 x \alpha^2 \gamma - 2 x \gamma \text{Csc}[\beta]^2 \right) + \sqrt{2} \sqrt{(l^2 \alpha^2 \theta^2 \text{Csc}[\beta]^4 + 2 l^2 y \alpha^3 \theta^2 \text{Csc}[\beta]^4 + l^4 \alpha^4 \theta^2 \text{Csc}[\beta]^4 - l^2 y^2 \alpha^4 \theta^2 \text{Csc}[\beta]^4 + l^2 \alpha^2 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - 2 l^2 y \alpha^3 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - l^4 \alpha^4 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 + l^2 y^2 \alpha^4 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4)} \right) \right\} \right\}$$

```

In[ ]:= Manipulate[
  ContourPlot3D[
$$\frac{1}{2 \theta^2 (\l^2 \alpha^2 + \text{Csc}[\beta]^2)} \left( -\theta (-2 \l^2 \alpha^2 + 2 \l^2 y \alpha^3 - 2 \l^2 x \alpha^2 \gamma - 2 x \gamma \text{Csc}[\beta]^2) + \right. \\ \left. \sqrt{2} \sqrt{(\l^2 \alpha^2 \theta^2 \text{Csc}[\beta]^4 + 2 \l^2 y \alpha^3 \theta^2 \text{Csc}[\beta]^4 + \l^4 \alpha^4 \theta^2 \text{Csc}[\beta]^4 - \l^2 y^2 \alpha^4 \theta^2 \text{Csc}[\beta]^4 + \l^2 \alpha^2 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - 2 \l^2 y \alpha^3 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 - \l^4 \alpha^4 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4 + \l^2 y^2 \alpha^4 \theta^2 \text{Cos}[2 \beta] \text{Csc}[\beta]^4)} \right), \\ \{\l, 0, 1\}, \{x, 0, 1\}, \{y, 0, 1\}, \text{ColorFunction} \rightarrow \text{"StarryNightColors"}], \\ \{\alpha, 0, 2 \pi\}, \{\gamma, 0, 2 \pi\}, \{\theta, 0, 2 \pi\}, \\ \{\beta, 0, \pi / 2\}]$$

```



# CHAPTER 8: HEIGHT-ACCELERATION PAIRING: INTEGRATION YIELDS VELOCITY PAIRED TO CURVATURE

$$\theta r = \gamma x - \alpha y \tag{18}$$

**0.0.1.**  $\theta r = s$

**0.0.2.**  $\gamma x = q$

**0.0.3.**  $\alpha y = p$

**0.0.4.**  $l \alpha = w$

$$\text{In[ ]:= } y^2 == l^2 - h^2 \tag{19}$$

$$\theta r == \gamma x - \alpha \sqrt{l^2 - h^2} \tag{20}$$

$$s == q - \alpha \sqrt{l^2 - h^2} \tag{21}$$

$l \text{ Sin}[\beta] = h$

SOH;  $h/l = \text{Sin}[\beta]$

CAH;  $y/l = \text{Cos}[\beta]$

TOA;  $h/y = \text{Tan}[\beta]$

$$y = \frac{q - s}{\alpha} \tag{22}$$

$$\text{In[ ]:= } \text{Solve}[s == q - \alpha \sqrt{l^2 - h^2}, h]$$

$$\text{Out[ ]:= } \left\{ \left\{ h \rightarrow -\frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} \right\}, \left\{ h \rightarrow \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} \right\} \right\}$$

$$\frac{q - s}{\alpha} \text{Tan}[\beta] == \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha},$$

$$\int \int \int \int \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} dq ds dl d\alpha ==$$

$$-\frac{1}{24 \alpha} \left( q^4 - 4q^3 s + 6q^2 s^2 - 4q s^3 + s^4 + \alpha \sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2} \right)$$

$$\left( \frac{13}{3} l (q - s)^2 + \frac{2 l^3 \alpha^2}{3} \right) + 4 l (q - s)^3 \alpha \text{ArcTan} \left[ \frac{q - s}{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}} \right] +$$

$$2 l^3 (q - s) \alpha^3 \text{ArcTan} \left[ \frac{q - s}{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}} \right] - \tag{23}$$

$$4 l (q - s)^3 \alpha \left( \text{ArcTan} \left[ \frac{q - s}{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}} \right] - \right)$$

$$i \operatorname{Log} \left[ \frac{i (q - s + i \sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2})}{2l (q - s)^4 \alpha} \right] +$$

$$(q - s)^4 \operatorname{Log} \left[ \alpha (l \alpha + \sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}) \right]$$

$$h = \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} = l \operatorname{Sin}[\beta] \tag{24}$$

In[\*]:= Factor[-q<sup>2</sup> + 2qs - s<sup>2</sup> + l<sup>2</sup>α<sup>2</sup>]

Out[\*]:= -((q - s - lα)(q - s + lα))

$$\frac{\sqrt{-((q - s - l\alpha)(q - s + l\alpha))}}{\alpha} =$$

$$h = l \operatorname{Sin}[\beta] == \frac{\sqrt{(l\alpha + x\gamma - r\theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l\alpha - x\gamma + r\theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} \tag{25}$$

$$c = 2.99792 * 10^8 \tag{26}$$

Also, if all variables within an equation cancel out with each other, they are said to be truly equivalent. Such is the case as below:

$$\text{In[*]:= Solve} \left[ \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} == \frac{\sqrt{-(q - s - l\alpha)} \sqrt{(q - s + l\alpha)}}{\alpha}, \text{Reals} \right]$$

... Solve: The solution set contains a full-dimensional component; use Reduce for complete solution information.

Out[\*]:= {{}}

$$\text{In[*]:= Solve} \left[ l \operatorname{Sin}[\beta] == \frac{\sqrt{(l\alpha + x\gamma - r\theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l\alpha - x\gamma + r\theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha}, v \right]$$

Out[\*]:= {{v →

$$- \left( \left( 1. \sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + 8.98755 \times 10^{16} r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \operatorname{Sin}[\beta]^2)} \right) / \right.$$

$$\left. \left( \sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \operatorname{Sin}[\beta]^2} \right) \right) \},$$

$$\{v \rightarrow \left( \sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + 8.98755 \times 10^{16} r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \operatorname{Sin}[\beta]^2)} \right) / \left. \left( \sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \operatorname{Sin}[\beta]^2} \right) \right) \}$$

$$v = \frac{\sqrt{-c^2 l^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 l^2 \alpha^2 \operatorname{Sin}[\beta]^2}}{\sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \operatorname{Sin}[\beta]^2}} \tag{27}$$

$$\begin{aligned}
 \text{In[*]}:= & \text{Solve}\left[-\frac{1}{24\alpha}\left(q^4-4q^3s+6q^2s^2-4qs^3+s^4+\alpha\sqrt{-q^2+2qs-s^2+l^2\alpha^2}\left(\frac{13}{3}l(q-s)^2+\frac{2l^3\alpha^2}{3}\right)+\right.\right. \\
 & 4l(q-s)^3\alpha\text{ArcTan}\left[\frac{q-s}{\sqrt{-q^2+2qs-s^2+l^2\alpha^2}}\right]+ \\
 & \left.2l^3(q-s)\alpha^3\text{ArcTan}\left[\frac{q-s}{\sqrt{-q^2+2qs-s^2+l^2\alpha^2}}\right]-4l(q-s)^3\alpha\right. \\
 & \left.\left(\text{ArcTan}\left[\frac{q-s}{\sqrt{-q^2+2qs-s^2+l^2\alpha^2}}\right]-i\text{Log}\left[\frac{i(q-s+i\sqrt{-q^2+2qs-s^2+l^2\alpha^2})}{2l(q-s)^4\alpha}\right]\right)\right]+ \\
 & \left.(q-s)^4\text{Log}\left[\alpha\left(l\alpha+\sqrt{-q^2+2qs-s^2+l^2\alpha^2}\right)\right]\right]== \\
 & \frac{\sqrt{-c^2w^2+c^2q^2-2c^2sq+c^2s^2+c^2w^2\text{Sin}[\beta]^2}}{\sqrt{-1.\`w^2+q^2-2.\`sq+s^2+w^2\text{Sin}[\beta]^2}},c]
 \end{aligned}$$

Out[\*]= {{c →

$$\begin{aligned}
 -\left(\left(1.\sqrt{\right. & -169.l^2q^8+1352.l^2q^7s-4732.l^2q^6s^2+9464.l^2q^5s^3-11830.l^2q^4s^4+9464.l^2 \\
 & q^3s^5-4732.l^2q^2s^6+1352.l^2qs^7-169.l^2s^8+169.l^2q^6w^2-1014.l^2q^5sw^2+ \\
 & 2535.l^2q^4s^2w^2-3380.l^2q^3s^3w^2+2535.l^2q^2s^4w^2-1014.l^2qs^5w^2+ \\
 & 169.l^2s^6w^2+\frac{9.q^{10}}{\alpha^2}-\frac{90.q^9s}{\alpha^2}+\frac{405.q^8s^2}{\alpha^2}-\frac{1080.q^7s^3}{\alpha^2}+\frac{1890.q^6s^4}{\alpha^2}- \\
 & \frac{2268.q^5s^5}{\alpha^2}+\frac{1890.q^4s^6}{\alpha^2}-\frac{1080.q^3s^7}{\alpha^2}+\frac{405.q^2s^8}{\alpha^2}-\frac{90.qs^9}{\alpha^2}+\frac{9.s^{10}}{\alpha^2}-\frac{9.q^8w^2}{\alpha^2}+ \\
 & \frac{72.q^7sw^2}{\alpha^2}-\frac{252.q^6s^2w^2}{\alpha^2}+\frac{504.q^5s^3w^2}{\alpha^2}-\frac{630.q^4s^4w^2}{\alpha^2}+\frac{504.q^3s^5w^2}{\alpha^2}- \\
 & \frac{252.q^2s^6w^2}{\alpha^2}+\frac{72.qs^7w^2}{\alpha^2}-\frac{9.s^8w^2}{\alpha^2}+117.l^4q^6\alpha^2-702.l^4q^5s\alpha^2+ \\
 & 1755.l^4q^4s^2\alpha^2-2340.l^4q^3s^3\alpha^2+1755.l^4q^2s^4\alpha^2-702.l^4qs^5\alpha^2+ \\
 & 117.l^4s^6\alpha^2-117.l^4q^4w^2\alpha^2+468.l^4q^3sw^2\alpha^2-702.l^4q^2s^2w^2\alpha^2+ \\
 & 468.l^4qs^3w^2\alpha^2-117.l^4s^4w^2\alpha^2+48.l^6q^4\alpha^4-192.l^6q^3s\alpha^4+ \\
 & 288.l^6q^2s^2\alpha^4-192.l^6qs^3\alpha^4+48.l^6s^4\alpha^4-48.l^6q^2w^2\alpha^4+96.l^6qs^2w^2\alpha^4- \\
 & 48.l^6s^2w^2\alpha^4+4.l^8q^2\alpha^6-8.l^8qs\alpha^6+4.l^8s^2\alpha^6-4.l^8w^2\alpha^6+ \\
 & \left.\frac{78.lq^8\sqrt{-1.q^2+2.qs-1.s^2+l^2\alpha^2}}{\alpha}-\frac{624.lq^7s\sqrt{-1.q^2+2.qs-1.s^2+l^2\alpha^2}}{\alpha}+\right. \\
 & \frac{2184.lq^6s^2\sqrt{-1.q^2+2.qs-1.s^2+l^2\alpha^2}}{\alpha}- \\
 & \frac{4368.lq^5s^3\sqrt{-1.q^2+2.qs-1.s^2+l^2\alpha^2}}{\alpha}+ \\
 & \frac{5460.lq^4s^4\sqrt{-1.q^2+2.qs-1.s^2+l^2\alpha^2}}{\alpha}- \\
 & \left.\frac{4368.lq^3s^5\sqrt{-1.q^2+2.qs-1.s^2+l^2\alpha^2}}{\alpha}+\right)
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2184 \cdot l q^2 s^6 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{624 \cdot l q s^7 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{78 \cdot l s^8 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \frac{78 \cdot l q^6 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{468 \cdot l q^5 s w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{1170 \cdot l q^4 s^2 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{1560 \cdot l q^3 s^3 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{1170 \cdot l q^2 s^4 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{468 \cdot l q s^5 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{78 \cdot l s^6 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & 12 \cdot l^3 q^6 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} - 72 \cdot l^3 q^5 s \alpha \\
 & \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} + 180 \cdot l^3 q^4 s^2 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} - \\
 & 240 \cdot l^3 q^3 s^3 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} + 180 \cdot l^3 q^2 s^4 \alpha \\
 & \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} - 72 \cdot l^3 q s^5 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} + \\
 & 12 \cdot l^3 s^6 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} - 12 \cdot l^3 q^4 w^2 \alpha \\
 & \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} + 48 \cdot l^3 q^3 s w^2 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} - \\
 & 72 \cdot l^3 q^2 s^2 w^2 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} + 48 \cdot l^3 q s^3 w^2 \alpha \\
 & \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} - 12 \cdot l^3 s^4 w^2 \alpha \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2} + \\
 & 36 \cdot l^3 q^7 \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] - \\
 & 252 \cdot l^3 q^6 s \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] + \\
 & 756 \cdot l^3 q^5 s^2 \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] - \\
 & 1260 \cdot l^3 q^4 s^3 \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] + \\
 & 1260 \cdot l^3 q^3 s^4 \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] - \\
 & 756 \cdot l^3 q^2 s^5 \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] + \\
 & 252 \cdot l^3 q s^6 \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] - \\
 & 36 \cdot l^3 s^7 \alpha \operatorname{ArcTan} \left[ \frac{q - 1 \cdot s}{\sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}} \right] -
 \end{aligned}$$





$$\begin{aligned}
 & 24. \ell^6 s^3 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2} \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right] - \\
 & 24. \ell^6 q w^2 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2} \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right] + \\
 & 24. \ell^6 s w^2 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2} \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right] + \\
 & 36. \ell^6 q^4 \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 - \\
 & 144. \ell^6 q^3 s \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 + \\
 & 216. \ell^6 q^2 s^2 \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 - \\
 & 144. \ell^6 q s^3 \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 + \\
 & 36. \ell^6 s^4 \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 - \\
 & 36. \ell^6 q^2 w^2 \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 + \\
 & 72. \ell^6 q s w^2 \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 - \\
 & 36. \ell^6 s^2 w^2 \alpha^4 \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2}} \right]^2 + \\
 & \frac{(0. + 72. i) \ell q^9 \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2})}{\ell (q - 1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(0. + 648. i) \ell q^8 s \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2})}{\ell (q - 1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(0. + 2592. i) \ell q^7 s^2 \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2})}{\ell (q - 1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(0. + 6048. i) \ell q^6 s^3 \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2})}{\ell (q - 1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(0. + 9072. i) \ell q^5 s^4 \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2})}{\ell (q - 1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(0. + 9072. i) \ell q^4 s^5 \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2})}{\ell (q - 1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(0. + 6048. i) \ell q^3 s^6 \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \ell^2 \alpha^2})}{\ell (q - 1. s)^4 \alpha} \right]}{\alpha} - \\
 & \alpha
 \end{aligned}$$

$$\begin{aligned}
 & \frac{(\theta. + 2592. i) \, l \, q^2 \, s^7 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 648. i) \, l \, q \, s^8 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 72. i) \, l \, s^9 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 72. i) \, l \, q^7 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 504. i) \, l \, q^6 \, s \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 1512. i) \, l \, q^5 \, s^2 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 2520. i) \, l \, q^4 \, s^3 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 2520. i) \, l \, q^3 \, s^4 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 1512. i) \, l \, q^2 \, s^5 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 504. i) \, l \, q \, s^6 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 72. i) \, l \, s^7 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & (\theta. + 312. i) \, l^2 \, q^7 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right] - \\
 & (\theta. + 2184. i) \, l^2 \, q^6 \, s \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right] + \\
 & (\theta. + 6552. i) \, l^2 \, q^5 \, s^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right] - \\
 & (\theta. + 10920. i) \, l^2 \, q^4 \, s^3 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q-1. s)^4 \alpha} \right] + \\
 & (\theta. + 10920. i) \, l^2 \, q^3 \, s^4 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}
 \end{aligned}$$

$$\begin{aligned}
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (0. + 6552. i) l^2 q^2 s^5 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (0. + 2184. i) l^2 q s^6 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (0. + 312. i) l^2 s^7 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (0. + 312. i) l^2 q^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (0. + 1560. i) l^2 q^4 s w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (0. + 3120. i) l^2 q^3 s^2 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (0. + 3120. i) l^2 q^2 s^3 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (0. + 1560. i) l^2 q s^4 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (0. + 312. i) l^2 s^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (0. + 48. i) l^4 q^5 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (0. + 240. i) l^4 q^4 s \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (0. + 480. i) l^4 q^3 s^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] -
 \end{aligned}$$

$$\begin{aligned}
 & (0. + 480. i) l^4 q^2 s^3 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (0. + 240. i) l^4 q s^4 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (0. + 48. i) l^4 s^5 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (0. + 48. i) l^4 q^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (0. + 144. i) l^4 q^2 s w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (0. + 144. i) l^4 q s^2 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (0. + 48. i) l^4 s^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (0. + 144. i) l^4 q^6 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (0. + 864. i) l^4 q^5 s \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (0. + 2160. i) l^4 q^4 s^2 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (0. + 2880. i) l^4 q^3 s^3 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] +
 \end{aligned}$$

$$\begin{aligned}
 & (0. + 2160. i) l^4 q^2 s^4 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & (0. + 864. i) l^4 q s^5 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] + \\
 & (0. + 144. i) l^4 s^6 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & (0. + 144. i) l^4 q^4 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] + \\
 & (0. + 576. i) l^4 q^3 s w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & (0. + 864. i) l^4 q^2 s^2 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] + \\
 & (0. + 576. i) l^4 q s^3 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & (0. + 144. i) l^4 s^4 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - 144. l^2 \\
 & q^8 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + 1152. \\
 & l^2 q^7 s \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - \\
 & 4032. l^2 q^6 s^2
 \end{aligned}$$

$$\begin{aligned}
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + 8064. \\
 & l^2 q^5 s^3 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - \\
 & 10\,080. l^2 q^4 s^4 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + 8064. \\
 & l^2 q^3 s^5 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - \\
 & 4032. l^2 q^2 s^6 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + 1152. \\
 & l^2 q s^7 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - \\
 & 144. l^2 s^8 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + \\
 & 144. l^2 q^6 w^2 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - 864. l^2 \\
 & q^5 s w^2 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + \\
 & 2160. l^2 q^4 s^2 w^2 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - 2880. l^2 \\
 & q^3 s^3 w^2 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + \\
 & 2160. l^2 q^2 s^4 w^2 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - 864. \\
 & l^2 q s^5 w^2 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + 144. \\
 & l^2 s^6 w^2 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + \\
 & \frac{1}{\alpha^2} 18. q^{10} \text{Log}\left[\alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2})\right] - \\
 & \frac{1}{\alpha^2} 180. q^9 s \text{Log}\left[\alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2})\right] -
 \end{aligned}$$











$$\text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) - 360. l^3 q^3 s^2 w^2 \alpha\right]$$

$$\text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) + 360. l^3 q^2 s^3 w^2 \alpha\right]$$

$$\text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) - 180. l^3 q s^4 w^2 \alpha\right]$$

$$\text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) + 36. l^3 s^5 w^2 \alpha \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) + \frac{1}{\alpha} (0. + 72. i) l q^9\right]\right]$$

$$\text{Log}\left[\frac{(0. + 0.5 i) \left(q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}\right)}{l (q - 1. s)^4 \alpha}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) - \frac{1}{\alpha} (0. + 648. i) l q^8 s\right]$$

$$\text{Log}\left[\frac{(0. + 0.5 i) \left(q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}\right)}{l (q - 1. s)^4 \alpha}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) + \frac{1}{\alpha} (0. + 2592. i) l q^7 s^2\right]$$

$$\text{Log}\left[\frac{(0. + 0.5 i) \left(q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}\right)}{l (q - 1. s)^4 \alpha}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) - \frac{1}{\alpha} (0. + 6048. i) l q^6 s^3\right]$$

$$\text{Log}\left[\frac{(0. + 0.5 i) \left(q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}\right)}{l (q - 1. s)^4 \alpha}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) + \frac{1}{\alpha} (0. + 9072. i) l q^5 s^4\right]$$

$$\text{Log}\left[\frac{(0. + 0.5 i) \left(q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}\right)}{l (q - 1. s)^4 \alpha}\right] \text{Log}\left[\alpha \left(l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}\right) + \frac{1}{\alpha} (0. + 9072. i) l q^5 s^4\right]$$

$$\begin{aligned} & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] - \frac{1}{\alpha} (\theta. + 9072. \text{ i}) l q^4 s^5 \\ & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] + \frac{1}{\alpha} (\theta. + 6048. \text{ i}) l q^3 s^6 \\ & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] - \frac{1}{\alpha} (\theta. + 2592. \text{ i}) l q^2 s^7 \\ & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] + \frac{1}{\alpha} (\theta. + 648. \text{ i}) l q s^8 \\ & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] - \frac{1}{\alpha} (\theta. + 72. \text{ i}) l s^9 \\ & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] - \frac{1}{\alpha} (\theta. + 72. \text{ i}) l q^7 w^2 \\ & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] + \frac{1}{\alpha} (\theta. + 504. \text{ i}) l q^6 s w^2 \\ & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\ & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\ & \left. \right] - \frac{1}{\alpha} (\theta. + 1512. \text{ i}) l q^5 s^2 w^2 \end{aligned}$$

$$\begin{aligned}
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] + \frac{1}{\alpha} (0. + 2520. i) l q^4 s^3 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] - \frac{1}{\alpha} (0. + 2520. i) l q^3 s^4 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] + \frac{1}{\alpha} (0. + 1512. i) l q^2 s^5 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] - \frac{1}{\alpha} (0. + 504. i) l q s^6 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] + \frac{1}{\alpha} (0. + 72. i) l s^7 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] + \frac{1}{\alpha^2} 9. q^{10} \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 +} \right. \\
 & \left. 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2) \right]^2 - \\
 & \frac{1}{\alpha^2} 90. q^9 s \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \right. \\
 & \left. q s - 1.0000000000000000 s^2 + l^2 \alpha^2) \right]^2 + \\
 & \frac{1}{\alpha^2} 405. q^8 s^2 \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \right. \\
 & \left. q s - 1.0000000000000000 s^2 + l^2 \alpha^2) \right]^2 - \\
 & \frac{1}{\alpha^2} 1080. q^7 s^3 \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \right. \\
 & \left. q s - 1.0000000000000000 s^2 + l^2 \alpha^2) \right]^2 + \\
 & \frac{1}{\alpha^2} 1890. q^6 s^4 \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \right. \\
 & \left. q s - 1.0000000000000000 s^2 + l^2 \alpha^2) \right]^2 -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{1}{\alpha^2} 2268 \cdot q^5 s^5 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 + \\
 & \frac{1}{\alpha^2} 1890 \cdot q^4 s^6 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & \frac{1}{\alpha^2} 1080 \cdot q^3 s^7 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 + \\
 & \frac{1}{\alpha^2} 405 \cdot q^2 s^8 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & \frac{1}{\alpha^2} 90 \cdot q s^9 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 + \\
 & \frac{1}{\alpha^2} 9 \cdot s^{10} \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} q s - \\
 & \quad \quad \quad 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & \frac{1}{\alpha^2} 9 \cdot q^8 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 + \\
 & \frac{1}{\alpha^2} 72 \cdot q^7 s w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & \frac{1}{\alpha^2} 252 \cdot q^6 s^2 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 + \\
 & \frac{1}{\alpha^2} 504 \cdot q^5 s^3 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & \frac{1}{\alpha^2} 630 \cdot q^4 s^4 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 + \\
 & \frac{1}{\alpha^2} 504 \cdot q^3 s^5 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & \frac{1}{\alpha^2} 252 \cdot q^2 s^6 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 + \\
 & \frac{1}{\alpha^2} 72 \cdot q s^7 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & \frac{1}{\alpha^2} 9 \cdot s^8 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{(-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad \quad \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))}]^2 - \\
 & 169 \cdot \text{l}^2 q^6 w^2 \text{Sin}[\beta]^2 + 1014 \cdot \text{l}^2 q^5 s w^2 \text{Sin}[\beta]^2 - 2535 \cdot \text{l}^2 q^4 s^2 w^2 \text{Sin}[\beta]^2 + \\
 & 3380 \cdot \text{l}^2 q^3 s^3 w^2 \text{Sin}[\beta]^2 - 2535 \cdot \text{l}^2 q^2 s^4 w^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
 & 1014. \frac{l^2 q s^5 w^2 \text{Sin}[\beta]^2 - 169. l^2 s^6 w^2 \text{Sin}[\beta]^2 + 9. q^8 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \frac{72. q^7 s w^2 \text{Sin}[\beta]^2}{\alpha^2} + \\
 & 252. \frac{q^6 s^2 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \frac{504. q^5 s^3 w^2 \text{Sin}[\beta]^2}{\alpha^2} + \\
 & 630. \frac{q^4 s^4 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \frac{504. q^3 s^5 w^2 \text{Sin}[\beta]^2}{\alpha^2} + \\
 & 252. \frac{q^2 s^6 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \frac{72. q s^7 w^2 \text{Sin}[\beta]^2}{\alpha^2} + \\
 & 9. \frac{s^8 w^2 \text{Sin}[\beta]^2}{\alpha^2} + 117. l^4 q^4 w^2 \alpha^2 \text{Sin}[\beta]^2 - \\
 & 468. l^4 q^3 s w^2 \alpha^2 \text{Sin}[\beta]^2 + 702. l^4 q^2 s^2 w^2 \alpha^2 \text{Sin}[\beta]^2 - \\
 & 468. l^4 q s^3 w^2 \alpha^2 \text{Sin}[\beta]^2 + 117. l^4 s^4 w^2 \alpha^2 \text{Sin}[\beta]^2 + \\
 & 48. l^6 q^2 w^2 \alpha^4 \text{Sin}[\beta]^2 - 96. l^6 q s w^2 \alpha^4 \text{Sin}[\beta]^2 + \\
 & 48. l^6 s^2 w^2 \alpha^4 \text{Sin}[\beta]^2 + 4. l^8 w^2 \alpha^6 \text{Sin}[\beta]^2 + \\
 & 78. \frac{l q^6 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} - \\
 & 468. \frac{l q^5 s w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 & 1170. \frac{l q^4 s^2 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} - \\
 & 1560. \frac{l q^3 s^3 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 & 1170. \frac{l q^2 s^4 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} - \\
 & 468. \frac{l q s^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 & 78. \frac{l s^6 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 & 12. l^3 q^4 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 - \\
 & 48. l^3 q^3 s w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 + \\
 & 72. l^3 q^2 s^2 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 - \\
 & 48. l^3 q s^3 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 + \\
 & 12. l^3 s^4 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 + \\
 & 36. l^3 q^5 w^2 \alpha \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - \\
 & 180. l^3 q^4 s w^2 \alpha \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Sin}[\beta]^2 + \\
 & 360. l^3 q^3 s^2 w^2 \alpha \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - \\
 & 360. l^3 q^2 s^3 w^2 \alpha \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Sin}[\beta]^2 + \\
 & 180. l^3 q s^4 w^2 \alpha \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Sin}[\beta]^2 -
 \end{aligned}$$





$$\begin{aligned}
 & \frac{(0. + 72. i) l s^7 w^2 \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2}{\alpha} + \\
 & (0. + 312. i) l^2 q^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 - \\
 & (0. + 1560. i) l^2 q^4 s w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 + \\
 & (0. + 3120. i) l^2 q^3 s^2 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 - \\
 & (0. + 3120. i) l^2 q^2 s^3 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 + \\
 & (0. + 1560. i) l^2 q s^4 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 - \\
 & (0. + 312. i) l^2 s^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 + \\
 & (0. + 48. i) l^4 q^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 - \\
 & (0. + 144. i) l^4 q^2 s w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 + \\
 & (0. + 144. i) l^4 q s^2 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 - \\
 & (0. + 48. i) l^4 s^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 + \\
 & (0. + 144. i) l^4 q^4 w^2 \alpha^2 \operatorname{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \operatorname{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \operatorname{Sin}[\beta]^2 - \\
 & (0. + 576. i) l^4 q^3 s w^2 \alpha^2 \operatorname{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right]
 \end{aligned}$$

$$\begin{aligned}
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 + \\
 & (0. + 864. i) l^4 q^2 s^2 w^2 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 - \\
 & (0. + 576. i) l^4 q s^3 w^2 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 + \\
 & (0. + 144. i) l^4 s^4 w^2 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 - 144. \\
 & l^2 q^6 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 \\
 & \text{Sin}[\beta]^2 + 864. l^2 q^5 s w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 \\
 & \text{Sin}[\beta]^2 - 2160. l^2 q^4 s^2 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 \\
 & \text{Sin}[\beta]^2 + 2880. l^2 q^3 s^3 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 \\
 & \text{Sin}[\beta]^2 - 2160. l^2 q^2 s^4 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 \\
 & \text{Sin}[\beta]^2 + 864. l^2 q s^5 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 \\
 & \text{Sin}[\beta]^2 - 144. l^2 s^6 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha^2} 18. q^8 w^2 \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}) \right] \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha^2} 144. q^7 s w^2 \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}) \right] \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{1}{\alpha^2} 504. q^6 s^2 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha^2} 1008. q^5 s^3 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha^2} 1260. q^4 s^4 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha^2} 1008. q^3 s^5 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha^2} 504. q^2 s^6 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha^2} 144. q s^7 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha^2} 18. s^8 w^2 \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000} \\
 & \quad q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha} 78. \text{l} q^6 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000} \\
 & \quad q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha} 468. \text{l} q^5 s w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000} \\
 & \quad q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha} 1170. \text{l} q^4 s^2 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000} \\
 & \quad q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha} 1560. \text{l} q^3 s^3 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000} \\
 & \quad q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha} 1170. \text{l} q^2 s^4 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000} \\
 & \quad q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha} 468. \text{l} q s^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000} \\
 & \quad q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha} 78. \text{l} s^6 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \sqrt{-1.0000000000000000} \\
 & \quad q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2))] \text{Sin}[\beta]^2 + \\
 & 12. \text{l}^3 q^4 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \\
 & \quad \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \\
 & \quad )] \text{Sin}[\beta]^2 - 48. \text{l}^3 q^3 s w^2 \alpha \\
 & \quad \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2} \text{Log}[\alpha (\text{l} \alpha + \\
 & \quad \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2}
 \end{aligned}$$

$$\begin{aligned}
 & \left. \right) \sin[\beta]^2 + 72. \, l^3 q^2 s^2 w^2 \alpha \\
 & \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 - 48. \, l^3 q s^3 w^2 \alpha \right. \\
 & \left. \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 + 12. \, l^3 s^4 w^2 \alpha \right. \\
 & \left. \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 + 36. \, l^3 q^5 w^2 \alpha \right. \\
 & \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 - 180. \, l^3 q^4 s w^2 \alpha \right. \\
 & \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 + 360. \, l^3 q^3 s^2 w^2 \alpha \right. \\
 & \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 - 360. \, l^3 q^2 s^3 w^2 \alpha \right. \\
 & \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 + 180. \, l^3 q s^4 w^2 \alpha \right. \\
 & \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 - 36. \, l^3 s^5 w^2 \alpha \right. \\
 & \operatorname{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 + \frac{1}{\alpha} (0. + 72. i) l q^7 w^2 \right. \\
 & \operatorname{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \operatorname{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right. \right. \\
 & \left. \left. \right) \sin[\beta]^2 - \frac{1}{\alpha} (0. + 504. i) l q^6 s w^2 \right.
 \end{aligned}$$

$$\begin{aligned}
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] \text{Sin}[\beta]^2 + \frac{1}{\alpha} (\theta. + 1512. i) l q^5 s^2 w^2 \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] \text{Sin}[\beta]^2 - \frac{1}{\alpha} (\theta. + 2520. i) l q^4 s^3 w^2 \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] \text{Sin}[\beta]^2 + \frac{1}{\alpha} (\theta. + 2520. i) l q^3 s^4 w^2 \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] \text{Sin}[\beta]^2 - \frac{1}{\alpha} (\theta. + 1512. i) l q^2 s^5 w^2 \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] \text{Sin}[\beta]^2 + \frac{1}{\alpha} (\theta. + 504. i) l q s^6 w^2 \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] \text{Sin}[\beta]^2 - \frac{1}{\alpha} (\theta. + 72. i) l s^7 w^2 \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \\
 & \left. \right] \text{Sin}[\beta]^2 + \frac{1}{\alpha^2} 9. q^8 w^2 \\
 & \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}) \right]^2 \text{Sin}[\beta]^2 - \\
 & \frac{1}{\alpha^2} 72. q^7 s w^2 \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}) \right]^2 \text{Sin}[\beta]^2 + \\
 & \frac{1}{\alpha^2} 252. q^6 s^2 w^2 \text{Log} \left[ \alpha (l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2}) \right]^2 \text{Sin}[\beta]^2 -
 \end{aligned}$$



$$\begin{aligned}
 & \frac{405 \cdot q^2 s^8}{\alpha^2} - \frac{90 \cdot q s^9}{\alpha^2} + \frac{9 \cdot s^{10}}{\alpha^2} - \\
 & \frac{9 \cdot q^8 w^2}{\alpha^2} + \frac{72 \cdot q^7 s w^2}{\alpha^2} - \frac{252 \cdot q^6 s^2 w^2}{\alpha^2} + \\
 & \frac{504 \cdot q^5 s^3 w^2}{\alpha^2} - \frac{630 \cdot q^4 s^4 w^2}{\alpha^2} + \\
 & \frac{504 \cdot q^3 s^5 w^2}{\alpha^2} - \frac{252 \cdot q^2 s^6 w^2}{\alpha^2} + \frac{72 \cdot q s^7 w^2}{\alpha^2} - \\
 & \frac{9 \cdot s^8 w^2}{\alpha^2} + 117 \cdot l^4 q^6 \alpha^2 - 702 \cdot l^4 q^5 s \alpha^2 + \\
 & 1755 \cdot l^4 q^4 s^2 \alpha^2 - 2340 \cdot l^4 q^3 s^3 \alpha^2 + \\
 & 1755 \cdot l^4 q^2 s^4 \alpha^2 - 702 \cdot l^4 q s^5 \alpha^2 + 117 \cdot l^4 s^6 \alpha^2 - \\
 & 117 \cdot l^4 q^4 w^2 \alpha^2 + 468 \cdot l^4 q^3 s w^2 \alpha^2 - \\
 & 702 \cdot l^4 q^2 s^2 w^2 \alpha^2 + 468 \cdot l^4 q s^3 w^2 \alpha^2 - \\
 & 117 \cdot l^4 s^4 w^2 \alpha^2 + 48 \cdot l^6 q^4 \alpha^4 - 192 \cdot l^6 q^3 s \alpha^4 + \\
 & 288 \cdot l^6 q^2 s^2 \alpha^4 - 192 \cdot l^6 q s^3 \alpha^4 + 48 \cdot l^6 s^4 \alpha^4 - \\
 & 48 \cdot l^6 q^2 w^2 \alpha^4 + 96 \cdot l^6 q s w^2 \alpha^4 - 48 \cdot l^6 s^2 w^2 \alpha^4 + \\
 & 4 \cdot l^8 q^2 \alpha^6 - 8 \cdot l^8 q s \alpha^6 + 4 \cdot l^8 s^2 \alpha^6 - 4 \cdot l^8 w^2 \alpha^6 + \\
 & \frac{78 \cdot l q^8 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{624 \cdot l q^7 s \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{2184 \cdot l q^6 s^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{4368 \cdot l q^5 s^3 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{5460 \cdot l q^4 s^4 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{4368 \cdot l q^3 s^5 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{2184 \cdot l q^2 s^6 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{624 \cdot l q s^7 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{78 \cdot l s^8 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{78 \cdot l q^6 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{468 \cdot l q^5 s w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} - \\
 & \frac{1170 \cdot l q^4 s^2 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} + \\
 & \frac{1560 \cdot l q^3 s^3 w^2 \sqrt{-1 \cdot q^2 + 2 \cdot q s - 1 \cdot s^2 + l^2 \alpha^2}}{\alpha} -
 \end{aligned}$$

$$\begin{aligned}
& \frac{1170. \, l \, q^2 \, s^4 \, w^2 \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}}{\alpha} + \\
& \frac{468. \, l \, q \, s^5 \, w^2 \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}}{\alpha} - \\
& \frac{78. \, l \, s^6 \, w^2 \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}}{\alpha} + \\
& 12. \, l^3 \, q^6 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} - \\
& 72. \, l^3 \, q^5 \, s \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} + \\
& 180. \, l^3 \, q^4 \, s^2 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} - \\
& 240. \, l^3 \, q^3 \, s^3 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} + \\
& 180. \, l^3 \, q^2 \, s^4 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} - \\
& 72. \, l^3 \, q \, s^5 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} + \\
& 12. \, l^3 \, s^6 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} - \\
& 12. \, l^3 \, q^4 \, w^2 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} + \\
& 48. \, l^3 \, q^3 \, s \, w^2 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} - \\
& 72. \, l^3 \, q^2 \, s^2 \, w^2 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} + \\
& 48. \, l^3 \, q \, s^3 \, w^2 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} - \\
& 12. \, l^3 \, s^4 \, w^2 \, \alpha \sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2} + \\
& 36. \, l^3 \, q^7 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] - \\
& 252. \, l^3 \, q^6 \, s \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] + \\
& 756. \, l^3 \, q^5 \, s^2 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] - \\
& 1260. \, l^3 \, q^4 \, s^3 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] + \\
& 1260. \, l^3 \, q^3 \, s^4 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] - \\
& 756. \, l^3 \, q^2 \, s^5 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] + \\
& 252. \, l^3 \, q \, s^6 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] - \\
& 36. \, l^3 \, s^7 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] - \\
& 36. \, l^3 \, q^5 \, w^2 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] + \\
& 180. \, l^3 \, q^4 \, s \, w^2 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] - \\
& 360. \, l^3 \, q^3 \, s^2 \, w^2 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] + \\
& 360. \, l^3 \, q^2 \, s^3 \, w^2 \, \alpha \operatorname{ArcTan} \left[ \frac{q - 1. \, s}{\sqrt{-1. \, q^2 + 2. \, q \, s - 1. \, s^2 + l^2 \, \alpha^2}} \right] -
\end{aligned}$$



$$180. l^3 q s^4 w^2 \alpha \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$36. l^3 s^5 w^2 \alpha \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$156. l^4 q^5 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$780. l^4 q^4 s \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$1560. l^4 q^3 s^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$1560. l^4 q^2 s^3 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$780. l^4 q s^4 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$156. l^4 s^5 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$156. l^4 q^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$468. l^4 q^2 s w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$468. l^4 q s^2 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$156. l^4 s^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$24. l^6 q^3 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$72. l^6 q^2 s \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$72. l^6 q s^2 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$24. l^6 s^3 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] -$$

$$24. l^6 q w^2 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$24. l^6 s w^2 \alpha^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] +$$

$$36. l^6 q^4 \alpha^4 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right]^2 -$$

$$144. l^6 q^3 s \alpha^4 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right]^2 +$$



$$\begin{aligned}
 & \frac{(\theta. + 504. i) \text{ l } q^6 s w^2 \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 1512. i) \text{ l } q^5 s^2 w^2 \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 2520. i) \text{ l } q^4 s^3 w^2 \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 2520. i) \text{ l } q^3 s^4 w^2 \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 1512. i) \text{ l } q^2 s^5 w^2 \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right]}{\alpha} - \\
 & \frac{(\theta. + 504. i) \text{ l } q s^6 w^2 \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & \frac{(\theta. + 72. i) \text{ l } s^7 w^2 \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right]}{\alpha} + \\
 & (\theta. + 312. i) \text{ l}^2 q^7 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right] - \\
 & (\theta. + 2184. i) \text{ l}^2 q^6 s \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right] + \\
 & (\theta. + 6552. i) \text{ l}^2 q^5 s^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right] - \\
 & (\theta. + 10920. i) \text{ l}^2 q^4 s^3 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right] + \\
 & (\theta. + 10920. i) \text{ l}^2 q^3 s^4 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right] - \\
 & (\theta. + 6552. i) \text{ l}^2 q^2 s^5 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right] + \\
 & (\theta. + 2184. i) \text{ l}^2 q s^6 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{ Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{\text{ l } (q-1. s)^4 \alpha} \right] - \\
 & (\theta. + 312. i) \text{ l}^2 s^7 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}
 \end{aligned}$$

$$\begin{aligned}
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (\theta. + 312. \text{ i}) l^2 q^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (\theta. + 1560. \text{ i}) l^2 q^4 s w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (\theta. + 3120. \text{ i}) l^2 q^3 s^2 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (\theta. + 3120. \text{ i}) l^2 q^2 s^3 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (\theta. + 1560. \text{ i}) l^2 q s^4 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (\theta. + 312. \text{ i}) l^2 s^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (\theta. + 48. \text{ i}) l^4 q^5 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (\theta. + 240. \text{ i}) l^4 q^4 s \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (\theta. + 480. \text{ i}) l^4 q^3 s^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (\theta. + 480. \text{ i}) l^4 q^2 s^3 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 (\theta. + 240. \text{ i}) l^4 q s^4 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 (\theta. + 48. \text{ i}) l^4 s^5 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 \text{ i}) (q - 1. s + (\theta. + 1. \text{ i}) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] -
 \end{aligned}$$

$$\begin{aligned}
 & (\theta. + 48. i) l^4 q^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (\theta. + 144. i) l^4 q^2 s w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (\theta. + 144. i) l^4 q s^2 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (\theta. + 48. i) l^4 s^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (\theta. + 144. i) l^4 q^6 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (\theta. + 864. i) l^4 q^5 s \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (\theta. + 2160. i) l^4 q^4 s^2 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (\theta. + 2880. i) l^4 q^3 s^3 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (\theta. + 2160. i) l^4 q^2 s^4 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] - \\
 & (\theta. + 864. i) l^4 q s^5 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right] \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q - 1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] + \\
 & (\theta. + 144. i) l^4 s^6 \alpha^2 \text{ArcTan} \left[ \frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}} \right]
 \end{aligned}$$

$$\begin{aligned}
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & (0. + 144. i) l^4 q^4 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] + \\
 & (0. + 576. i) l^4 q^3 s w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & (0. + 864. i) l^4 q^2 s^2 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] + \\
 & (0. + 576. i) l^4 q s^3 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & (0. + 144. i) l^4 s^4 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] - \\
 & 144. l^2 q^8 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + \\
 & 1152. l^2 q^7 s \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - \\
 & 4032. l^2 q^6 s^2 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + \\
 & 8064. l^2 q^5 s^3 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - \\
 & 10080. l^2 q^4 s^4 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 + \\
 & 8064. l^2 q^3 s^5 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 - \\
 & 4032. l^2 q^2 s^6 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 +
 \end{aligned}$$

$$\begin{aligned}
 & 1152. l^2 q s^7 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 - \\
 & 144. l^2 s^8 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 + \\
 & 144. l^2 q^6 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 - \\
 & 864. l^2 q^5 s w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 + \\
 & 2160. l^2 q^4 s^2 w^2 \\
 & \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 - 2880. l^2 q^3 \\
 & s^3 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 + 2160. \\
 & l^2 q^2 s^4 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 - \\
 & 864. l^2 q s^5 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 + \\
 & 144. l^2 s^6 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right]^2 + \\
 & \frac{1}{\alpha^2} 18. q^{10} \text{Log} \left[ \alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 180. q^9 s \text{Log} \left[ \alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 810. q^8 s^2 \text{Log} \left[ \alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 2160. q^7 s^3 \text{Log} \left[ \alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 3780. q^6 s^4 \text{Log} \left[ \alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 4536. q^5 s^5 \text{Log} \left[ \alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 3780. q^4 s^6 \text{Log} \left[ \alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right]
 \end{aligned}$$

$$\begin{aligned}
 & - \frac{1}{\alpha^2} 2160. q^3 s^7 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 810. q^2 s^8 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 180. q s^9 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 18. s^{10} \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 18. q^8 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 144. q^7 s w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 504. q^6 s^2 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 1008. q^5 s^3 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 1260. q^4 s^4 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 1008. q^3 s^5 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 504. q^2 s^6 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha^2} 144. q s^7 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha^2} 18. s^8 w^2 \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & + \frac{1}{\alpha} 78. l q^8 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right] \\
 & - \frac{1}{\alpha} 624. l q^7 s \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Log}\left[\alpha \left( l \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) \right]
 \end{aligned}$$









$$\begin{aligned}
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right] + \\
 & \frac{1}{\alpha} (0. + 2592. i) l q^7 s^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] - \\
 & \frac{1}{\alpha} (0. + 6048. i) l q^6 s^3 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] + \\
 & \frac{1}{\alpha} (0. + 9072. i) l q^5 s^4 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] - \\
 & \frac{1}{\alpha} (0. + 9072. i) l q^4 s^5 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] + \\
 & \frac{1}{\alpha} (0. + 6048. i) l q^3 s^6 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] - \\
 & \frac{1}{\alpha} (0. + 2592. i) l q^2 s^7 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] + \\
 & \frac{1}{\alpha} (0. + 648. i) l q s^8 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right. \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] - \\
 & \frac{1}{\alpha} (0. + 72. i) l s^9 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha (l \alpha + \right.
 \end{aligned}$$

$$\begin{aligned}
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) - \\
 & \frac{1}{\alpha} (0. + 72. i) l q^7 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha + \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] + \\
 & \frac{1}{\alpha} (0. + 504. i) l q^6 s w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha + \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] - \\
 & \frac{1}{\alpha} (0. + 1512. i) l q^5 s^2 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha + \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] + \\
 & \frac{1}{\alpha} (0. + 2520. i) l q^4 s^3 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha + \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] - \\
 & \frac{1}{\alpha} (0. + 2520. i) l q^3 s^4 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha + \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] + \\
 & \frac{1}{\alpha} (0. + 1512. i) l q^2 s^5 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha + \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] - \\
 & \frac{1}{\alpha} (0. + 504. i) l q s^6 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha + \\
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right) ] + \\
 & \frac{1}{\alpha} (0. + 72. i) l s^7 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha} \right] \text{Log} [\alpha (l \alpha +
 \end{aligned}$$

$$\begin{aligned}
 & \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right] + \\
 & \frac{1}{\alpha^2} 9 \cdot q^{10} \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 90 \cdot q^9 s \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 + \frac{1}{\alpha^2} 405 \cdot q^8 s^2 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 1080 \cdot q^7 s^3 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 + \frac{1}{\alpha^2} 1890 \cdot q^6 s^4 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 2268 \cdot q^5 s^5 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 + \frac{1}{\alpha^2} 1890 \cdot q^4 s^6 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 1080 \cdot q^3 s^7 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 + \frac{1}{\alpha^2} 405 \cdot q^2 s^8 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 90 \cdot q s^9 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 + \frac{1}{\alpha^2} 9 \cdot s^{10} \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 9 \cdot q^8 w^2 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 + \frac{1}{\alpha^2} 72 \cdot q^7 s w^2 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 252 \cdot q^6 s^2 w^2 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 + \frac{1}{\alpha^2} 504 \cdot q^5 s^3 w^2 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right. \\
 & \quad \left. \left. \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \right)^2 - \frac{1}{\alpha^2} 9 \cdot q^8 w^2 \text{Log} \left[ \alpha \left( l \alpha + \right. \right. \right.
 \end{aligned}$$

$$\begin{aligned}
 & \left. \right)^2 - \frac{1}{\alpha^2} 630. q^4 s^4 w^2 \text{Log}[\alpha (l \alpha + \\
 & \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \\
 & \left. \right)^2 + \frac{1}{\alpha^2} 504. q^3 s^5 w^2 \text{Log}[\alpha (l \alpha + \\
 & \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \\
 & \left. \right)^2 - \frac{1}{\alpha^2} 252. q^2 s^6 w^2 \text{Log}[\alpha (l \alpha + \\
 & \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \\
 & \left. \right)^2 + \frac{1}{\alpha^2} 72. q s^7 w^2 \text{Log}[\alpha (l \alpha + \\
 & \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \\
 & \left. \right)^2 - \frac{1}{\alpha^2} 9. s^8 w^2 \text{Log}[\alpha (l \alpha + \\
 & \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + l^2 \alpha^2} \\
 & \left. \right)^2 - 169. l^2 q^6 w^2 \text{Sin}[\beta]^2 + 1014. l^2 q^5 s w^2 \text{Sin}[\beta]^2 - \\
 2535. l^2 q^4 s^2 w^2 \text{Sin}[\beta]^2 + 3380. l^2 q^3 s^3 w^2 \text{Sin}[\beta]^2 - 2535. l^2 q^2 s^4 w^2 \text{Sin}[\beta]^2 + \\
 1014. l^2 q s^5 w^2 \text{Sin}[\beta]^2 - 169. l^2 s^6 w^2 \text{Sin}[\beta]^2 + \frac{9. q^8 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \frac{72. q^7 s w^2 \text{Sin}[\beta]^2}{\alpha^2} + \\
 \frac{252. q^6 s^2 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \frac{504. q^5 s^3 w^2 \text{Sin}[\beta]^2}{\alpha^2} + \frac{630. q^4 s^4 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \\
 \frac{504. q^3 s^5 w^2 \text{Sin}[\beta]^2}{\alpha^2} + \frac{252. q^2 s^6 w^2 \text{Sin}[\beta]^2}{\alpha^2} - \frac{72. q s^7 w^2 \text{Sin}[\beta]^2}{\alpha^2} + \\
 \frac{9. s^8 w^2 \text{Sin}[\beta]^2}{\alpha^2} + 117. l^4 q^4 w^2 \alpha^2 \text{Sin}[\beta]^2 - 468. l^4 q^3 s w^2 \alpha^2 \text{Sin}[\beta]^2 + \\
 702. l^4 q^2 s^2 w^2 \alpha^2 \text{Sin}[\beta]^2 - 468. l^4 q s^3 w^2 \alpha^2 \text{Sin}[\beta]^2 + 117. l^4 s^4 w^2 \alpha^2 \text{Sin}[\beta]^2 + \\
 48. l^6 q^2 w^2 \alpha^4 \text{Sin}[\beta]^2 - 96. l^6 q s w^2 \alpha^4 \text{Sin}[\beta]^2 + 48. l^6 s^2 w^2 \alpha^4 \text{Sin}[\beta]^2 + \\
 4. l^8 w^2 \alpha^6 \text{Sin}[\beta]^2 + \frac{78. l q^6 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} - \\
 \frac{468. l q^5 s w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 \frac{1170. l q^4 s^2 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} - \\
 \frac{1560. l q^3 s^3 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 \frac{1170. l q^2 s^4 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} - \\
 \frac{468. l q s^5 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 \frac{78. l s^6 w^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2}{\alpha} + \\
 12. l^3 q^4 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 - \\
 48. l^3 q^3 s w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 + \\
 72. l^3 q^2 s^2 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 - \\
 48. l^3 q s^3 w^2 \alpha \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
 & 12. \text{l}^3 \text{s}^4 \text{w}^2 \alpha \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{Sin}[\beta]^2 + \\
 & 36. \text{l}^3 \text{q}^5 \text{w}^2 \alpha \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - \\
 & 180. \text{l}^3 \text{q}^4 \text{s} \text{w}^2 \alpha \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 + \\
 & 360. \text{l}^3 \text{q}^3 \text{s}^2 \text{w}^2 \alpha \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - \\
 & 360. \text{l}^3 \text{q}^2 \text{s}^3 \text{w}^2 \alpha \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 + \\
 & 180. \text{l}^3 \text{q} \text{s}^4 \text{w}^2 \alpha \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - \\
 & 36. \text{l}^3 \text{s}^5 \text{w}^2 \alpha \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 + 156. \text{l}^4 \text{q}^3 \text{w}^2 \alpha^2 \\
 & \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - \\
 & 468. \text{l}^4 \text{q}^2 \text{s} \text{w}^2 \alpha^2 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \\
 & \text{Sin}[\beta]^2 + 468. \text{l}^4 \text{q} \text{s}^2 \text{w}^2 \alpha^2 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \\
 & \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - 156. \text{l}^4 \text{s}^3 \text{w}^2 \alpha^2 \\
 & \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 + 24. \text{l}^6 \\
 & \text{q} \text{w}^2 \alpha^4 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \text{Sin}[\beta]^2 - \\
 & 24. \text{l}^6 \text{s} \text{w}^2 \alpha^4 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right] \\
 & \text{Sin}[\beta]^2 + 36. \text{l}^6 \text{q}^2 \text{w}^2 \alpha^4 \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right]^2 \text{Sin}[\beta]^2 - \\
 & 72. \text{l}^6 \text{q} \text{s} \text{w}^2 \alpha^4 \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right]^2 \text{Sin}[\beta]^2 + \\
 & 36. \text{l}^6 \text{s}^2 \text{w}^2 \alpha^4 \text{ArcTan}\left[\frac{\text{q} - 1. \text{s}}{\sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2}}\right]^2 \text{Sin}[\beta]^2 + \\
 & \frac{(\text{0.} + 72. \text{i}) \text{l} \text{q}^7 \text{w}^2 \text{Log}\left[\frac{(\text{0.} + 0.5 \text{i}) (\text{q} - 1. \text{s} + (\text{0.} + 1. \text{i}) \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2})}{\text{l} (\text{q} - 1. \text{s})^4 \alpha}\right]}{\alpha} \text{Sin}[\beta]^2}{\alpha} \\
 & \frac{(\text{0.} + 504. \text{i}) \text{l} \text{q}^6 \text{s} \text{w}^2 \text{Log}\left[\frac{(\text{0.} + 0.5 \text{i}) (\text{q} - 1. \text{s} + (\text{0.} + 1. \text{i}) \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2})}{\text{l} (\text{q} - 1. \text{s})^4 \alpha}\right]}{\alpha} \text{Sin}[\beta]^2}{\alpha} + \\
 & \frac{(\text{0.} + 1512. \text{i}) \text{l} \text{q}^5 \text{s}^2 \text{w}^2 \text{Log}\left[\frac{(\text{0.} + 0.5 \text{i}) (\text{q} - 1. \text{s} + (\text{0.} + 1. \text{i}) \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2})}{\text{l} (\text{q} - 1. \text{s})^4 \alpha}\right]}{\alpha} \text{Sin}[\beta]^2}{\alpha}
 \end{aligned}$$



$$\begin{aligned}
 & \frac{(\theta. + 2520. i) \, l \, q^4 \, s^3 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2}{\alpha} + \\
 & \frac{(\theta. + 2520. i) \, l \, q^3 \, s^4 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2}{\alpha} - \\
 & \frac{(\theta. + 1512. i) \, l \, q^2 \, s^5 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2}{\alpha} + \\
 & \frac{(\theta. + 504. i) \, l \, q \, s^6 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2}{\alpha} - \\
 & \frac{(\theta. + 72. i) \, l \, s^7 \, w^2 \, \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2}{\alpha} + \\
 & (\theta. + 312. i) \, l^2 \, q^5 \, w^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 - \\
 & (\theta. + 1560. i) \, l^2 \, q^4 \, s \, w^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 + \\
 & (\theta. + 3120. i) \, l^2 \, q^3 \, s^2 \, w^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 - \\
 & (\theta. + 3120. i) \, l^2 \, q^2 \, s^3 \, w^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 + \\
 & (\theta. + 1560. i) \, l^2 \, q \, s^4 \, w^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 - \\
 & (\theta. + 312. i) \, l^2 \, s^5 \, w^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 + \\
 & (\theta. + 48. i) \, l^4 \, q^3 \, w^2 \, \alpha^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 - \\
 & (\theta. + 144. i) \, l^4 \, q^2 \, s \, w^2 \, \alpha^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log} \left[ \frac{(\theta. + 0.5 i) (q-1. s + (\theta. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}{l (q-1. s)^4 \alpha} \right] \text{Sin}[\beta]^2 + \\
 & (\theta. + 144. i) \, l^4 \, q \, s^2 \, w^2 \, \alpha^2 \, \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}
 \end{aligned}$$

$$\begin{aligned}
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \text{Sin}[\beta]^2 - \\
 & (0. + 48. i) l^4 s^3 w^2 \alpha^2 \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2} \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \text{Sin}[\beta]^2 + \\
 & (0. + 144. i) l^4 q^4 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \text{Sin}[\beta]^2 - \\
 & (0. + 576. i) l^4 q^3 s w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \text{Sin}[\beta]^2 + \\
 & (0. + 864. i) l^4 q^2 s^2 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \text{Sin}[\beta]^2 - \\
 & (0. + 576. i) l^4 q s^3 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \text{Sin}[\beta]^2 + \\
 & (0. + 144. i) l^4 s^4 w^2 \alpha^2 \text{ArcTan}\left[\frac{q - 1. s}{\sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2}}\right] \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right] \text{Sin}[\beta]^2 - 144. l^2 \\
 & q^6 w^2 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 \text{Sin}[\beta]^2 + \\
 & 864. l^2 q^5 s w^2 \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 \\
 & \text{Sin}[\beta]^2 - 2160. l^2 q^4 s^2 w^2 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 \\
 & \text{Sin}[\beta]^2 + 2880. l^2 q^3 s^3 w^2 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2 \\
 & \text{Sin}[\beta]^2 - 2160. l^2 q^2 s^4 w^2 \\
 & \text{Log}\left[\frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + l^2 \alpha^2})}{l (q - 1. s)^4 \alpha}\right]^2
 \end{aligned}$$

$$\begin{aligned} & \text{Sin}[\beta]^2 + 864. \text{l}^2 \text{q} \text{s}^5 \text{w}^2 \\ & \text{Log}\left[\frac{(0. + 0.5 \text{i}) (q - 1. \text{s} + (0. + 1. \text{i}) \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. \text{s})^4 \alpha}\right]^2 \text{Sin}[\beta]^2 - \\ 144. \text{l}^2 \text{s}^6 \text{w}^2 \text{Log}\left[\frac{(0. + 0.5 \text{i}) (q - 1. \text{s} + (0. + 1. \text{i}) \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. \text{s})^4 \alpha}\right]^2 \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha^2} 18. \text{q}^8 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha^2} 144. \text{q}^7 \text{s} \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha^2} 504. \text{q}^6 \text{s}^2 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha^2} 1008. \text{q}^5 \text{s}^3 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha^2} 1260. \text{q}^4 \text{s}^4 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha^2} 1008. \text{q}^3 \text{s}^5 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha^2} 504. \text{q}^2 \text{s}^6 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha^2} 144. \text{q} \text{s}^7 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha^2} 18. \text{s}^8 \text{w}^2 \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha} 78. \text{l} \text{q}^6 \text{w}^2 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha} 468. \text{l} \text{q}^5 \text{s} \text{w}^2 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha} 1170. \text{l} \text{q}^4 \text{s}^2 \text{w}^2 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha} 1560. \text{l} \text{q}^3 \text{s}^3 \text{w}^2 \sqrt{-1. \text{q}^2 + 2. \text{q} \text{s} - 1. \text{s}^2 + \text{l}^2 \alpha^2} \text{Log}\left[\alpha \left(\text{l} \alpha + \sqrt{-1.0000000000000000 \text{q}^2 + 2.0000000000000000 \text{q} \text{s} - 1.0000000000000000 \text{s}^2 + \text{l}^2 \alpha^2}\right)\right] \end{aligned}$$



$$\begin{aligned} & \text{Sin}[\beta]^2 + \frac{1}{\alpha} (0. + 72. i) \text{l} q^7 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha} (0. + 504. i) \text{l} q^6 s w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha} (0. + 1512. i) \text{l} q^5 s^2 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha} (0. + 2520. i) \text{l} q^4 s^3 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha} (0. + 2520. i) \text{l} q^3 s^4 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha} (0. + 1512. i) \text{l} q^2 s^5 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \\ & \text{Sin}[\beta]^2 + \frac{1}{\alpha} (0. + 504. i) \text{l} q s^6 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \\ & \text{Sin}[\beta]^2 - \frac{1}{\alpha} (0. + 72. i) \text{l} s^7 w^2 \text{Log} \left[ \frac{(0. + 0.5 i) (q - 1. s + (0. + 1. i) \sqrt{-1. q^2 + 2. q s - 1. s^2 + \text{l}^2 \alpha^2})}{\text{l} (q - 1. s)^4 \alpha} \right] \text{Log} \left[ \alpha \left( \text{l} \alpha + \sqrt{-1.0000000000000000 q^2 + 2.0000000000000000 q s - 1.0000000000000000 s^2 + \text{l}^2 \alpha^2} \right) \right] \end{aligned}$$



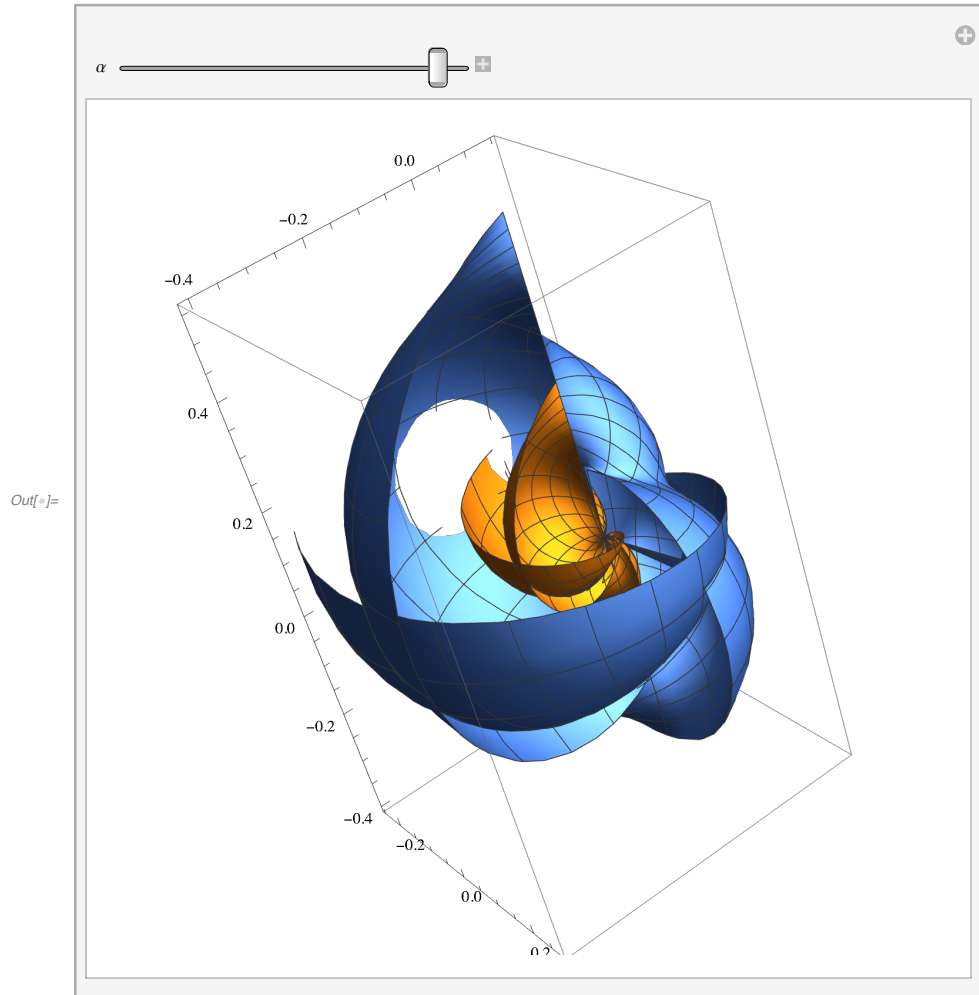


$$\begin{aligned}
 & \left( -\frac{8\pi q^6}{\alpha^6} + \frac{48\pi q^5 s}{\alpha^6} - \frac{120\pi q^4 s^2}{\alpha^6} + \frac{160\pi q^3 s^3}{\alpha^6} - \frac{120\pi q^2 s^4}{\alpha^6} + \frac{48\pi q s^5}{\alpha^6} - \frac{8\pi s^6}{\alpha^6} \right) \#1^2 + \\
 & \left( -\frac{11q^2}{\alpha^4} + \frac{22qs}{\alpha^4} - \frac{11s^2}{\alpha^4} \right) \#1^3 + \left( \frac{12\pi q^4}{\alpha^4} - \frac{48\pi q^3 s}{\alpha^4} + \frac{72\pi q^2 s^2}{\alpha^4} - \frac{48\pi q s^3}{\alpha^4} + \frac{12\pi s^4}{\alpha^4} \right) \#1^4 - \\
 & \frac{2\#1^5}{\alpha^2} + \left( -\frac{8\pi q^2}{\alpha^2} + \frac{16\pi qs}{\alpha^2} - \frac{8\pi s^2}{\alpha^2} \right) \#1^6 + 2\pi \#1^8 \&, 5 \Bigg\}, \\
 \{ & \text{l} \rightarrow \text{Root} \left[ \frac{2\pi q^8}{\alpha^8} - \frac{16\pi q^7 s}{\alpha^8} + \frac{56\pi q^6 s^2}{\alpha^8} - \frac{112\pi q^5 s^3}{\alpha^8} + \frac{140\pi q^4 s^4}{\alpha^8} - \frac{112\pi q^3 s^5}{\alpha^8} + \right. \\
 & \frac{56\pi q^2 s^6}{\alpha^8} - \frac{16\pi q s^7}{\alpha^8} + \frac{2\pi s^8}{\alpha^8} + \left( -\frac{2q^4}{\alpha^6} + \frac{8q^3 s}{\alpha^6} - \frac{12q^2 s^2}{\alpha^6} + \frac{8q s^3}{\alpha^6} - \frac{2s^4}{\alpha^6} \right) \#1 + \\
 & \left. \left( -\frac{8\pi q^6}{\alpha^6} + \frac{48\pi q^5 s}{\alpha^6} - \frac{120\pi q^4 s^2}{\alpha^6} + \frac{160\pi q^3 s^3}{\alpha^6} - \frac{120\pi q^2 s^4}{\alpha^6} + \frac{48\pi q s^5}{\alpha^6} - \frac{8\pi s^6}{\alpha^6} \right) \#1^2 + \right. \\
 & \left. \left( -\frac{11q^2}{\alpha^4} + \frac{22qs}{\alpha^4} - \frac{11s^2}{\alpha^4} \right) \#1^3 + \left( \frac{12\pi q^4}{\alpha^4} - \frac{48\pi q^3 s}{\alpha^4} + \frac{72\pi q^2 s^2}{\alpha^4} - \frac{48\pi q s^3}{\alpha^4} + \frac{12\pi s^4}{\alpha^4} \right) \#1^4 - \right. \\
 & \left. \frac{2\#1^5}{\alpha^2} + \left( -\frac{8\pi q^2}{\alpha^2} + \frac{16\pi qs}{\alpha^2} - \frac{8\pi s^2}{\alpha^2} \right) \#1^6 + 2\pi \#1^8 \&, 6 \Bigg\}, \\
 \{ & \text{l} \rightarrow \text{Root} \left[ \frac{2\pi q^8}{\alpha^8} - \frac{16\pi q^7 s}{\alpha^8} + \frac{56\pi q^6 s^2}{\alpha^8} - \frac{112\pi q^5 s^3}{\alpha^8} + \frac{140\pi q^4 s^4}{\alpha^8} - \frac{112\pi q^3 s^5}{\alpha^8} + \right. \\
 & \frac{56\pi q^2 s^6}{\alpha^8} - \frac{16\pi q s^7}{\alpha^8} + \frac{2\pi s^8}{\alpha^8} + \left( -\frac{2q^4}{\alpha^6} + \frac{8q^3 s}{\alpha^6} - \frac{12q^2 s^2}{\alpha^6} + \frac{8q s^3}{\alpha^6} - \frac{2s^4}{\alpha^6} \right) \#1 + \\
 & \left. \left( -\frac{8\pi q^6}{\alpha^6} + \frac{48\pi q^5 s}{\alpha^6} - \frac{120\pi q^4 s^2}{\alpha^6} + \frac{160\pi q^3 s^3}{\alpha^6} - \frac{120\pi q^2 s^4}{\alpha^6} + \frac{48\pi q s^5}{\alpha^6} - \frac{8\pi s^6}{\alpha^6} \right) \#1^2 + \right. \\
 & \left. \left( -\frac{11q^2}{\alpha^4} + \frac{22qs}{\alpha^4} - \frac{11s^2}{\alpha^4} \right) \#1^3 + \left( \frac{12\pi q^4}{\alpha^4} - \frac{48\pi q^3 s}{\alpha^4} + \frac{72\pi q^2 s^2}{\alpha^4} - \frac{48\pi q s^3}{\alpha^4} + \frac{12\pi s^4}{\alpha^4} \right) \#1^4 - \right. \\
 & \left. \frac{2\#1^5}{\alpha^2} + \left( -\frac{8\pi q^2}{\alpha^2} + \frac{16\pi qs}{\alpha^2} - \frac{8\pi s^2}{\alpha^2} \right) \#1^6 + 2\pi \#1^8 \&, 7 \Bigg\}, \\
 \{ & \text{l} \rightarrow \text{Root} \left[ \frac{2\pi q^8}{\alpha^8} - \frac{16\pi q^7 s}{\alpha^8} + \frac{56\pi q^6 s^2}{\alpha^8} - \frac{112\pi q^5 s^3}{\alpha^8} + \frac{140\pi q^4 s^4}{\alpha^8} - \frac{112\pi q^3 s^5}{\alpha^8} + \right. \\
 & \frac{56\pi q^2 s^6}{\alpha^8} - \frac{16\pi q s^7}{\alpha^8} + \frac{2\pi s^8}{\alpha^8} + \left( -\frac{2q^4}{\alpha^6} + \frac{8q^3 s}{\alpha^6} - \frac{12q^2 s^2}{\alpha^6} + \frac{8q s^3}{\alpha^6} - \frac{2s^4}{\alpha^6} \right) \#1 + \\
 & \left. \left( -\frac{8\pi q^6}{\alpha^6} + \frac{48\pi q^5 s}{\alpha^6} - \frac{120\pi q^4 s^2}{\alpha^6} + \frac{160\pi q^3 s^3}{\alpha^6} - \frac{120\pi q^2 s^4}{\alpha^6} + \frac{48\pi q s^5}{\alpha^6} - \frac{8\pi s^6}{\alpha^6} \right) \#1^2 + \right. \\
 & \left. \left( -\frac{11q^2}{\alpha^4} + \frac{22qs}{\alpha^4} - \frac{11s^2}{\alpha^4} \right) \#1^3 + \left( \frac{12\pi q^4}{\alpha^4} - \frac{48\pi q^3 s}{\alpha^4} + \frac{72\pi q^2 s^2}{\alpha^4} - \frac{48\pi q s^3}{\alpha^4} + \frac{12\pi s^4}{\alpha^4} \right) \#1^4 - \right. \\
 & \left. \frac{2\#1^5}{\alpha^2} + \left( -\frac{8\pi q^2}{\alpha^2} + \frac{16\pi qs}{\alpha^2} - \frac{8\pi s^2}{\alpha^2} \right) \#1^6 + 2\pi \#1^8 \&, 8 \Bigg\} \Bigg\}
 \end{aligned}$$

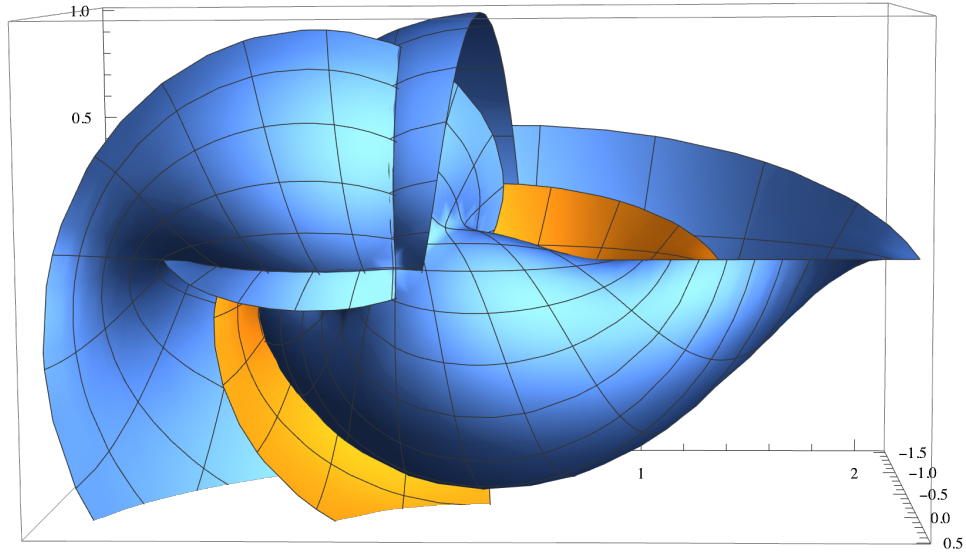


In[ ]:= Manipulate[

$$\begin{aligned}
 & \text{SphericalPlot3D}\left[\left\{\text{Root}\left[\frac{2 \pi q^8}{\alpha^8} - \frac{16 \pi q^7 s}{\alpha^8} + \frac{56 \pi q^6 s^2}{\alpha^8} - \frac{112 \pi q^5 s^3}{\alpha^8} + \frac{140 \pi q^4 s^4}{\alpha^8} - \frac{112 \pi q^3 s^5}{\alpha^8} + \right. \right. \\
 & \quad \frac{56 \pi q^2 s^6}{\alpha^8} - \frac{16 \pi q s^7}{\alpha^8} + \frac{2 \pi s^8}{\alpha^8} + \left. \left( -\frac{2 q^4}{\alpha^6} + \frac{8 q^3 s}{\alpha^6} - \frac{12 q^2 s^2}{\alpha^6} + \frac{8 q s^3}{\alpha^6} - \frac{2 s^4}{\alpha^6} \right) \#1 + \right. \\
 & \quad \left. \left( -\frac{8 \pi q^6}{\alpha^6} + \frac{48 \pi q^5 s}{\alpha^6} - \frac{120 \pi q^4 s^2}{\alpha^6} + \frac{160 \pi q^3 s^3}{\alpha^6} - \frac{120 \pi q^2 s^4}{\alpha^6} + \frac{48 \pi q s^5}{\alpha^6} - \frac{8 \pi s^6}{\alpha^6} \right) \#1^2 + \right. \\
 & \quad \left. \left( -\frac{11 q^2}{\alpha^4} + \frac{22 q s}{\alpha^4} - \frac{11 s^2}{\alpha^4} \right) \#1^3 + \left( \frac{12 \pi q^4}{\alpha^4} - \frac{48 \pi q^3 s}{\alpha^4} + \frac{72 \pi q^2 s^2}{\alpha^4} - \frac{48 \pi q s^3}{\alpha^4} + \frac{12 \pi s^4}{\alpha^4} \right) \#1^4 - \right. \\
 & \quad \left. \frac{2 \#1^5}{\alpha^2} + \left( -\frac{8 \pi q^2}{\alpha^2} + \frac{16 \pi q s}{\alpha^2} - \frac{8 \pi s^2}{\alpha^2} \right) \#1^6 + 2 \pi \#1^8 \ \&, 1\right], \\
 & \text{Root}\left[\frac{2 \pi q^8}{\alpha^8} - \frac{16 \pi q^7 s}{\alpha^8} + \frac{56 \pi q^6 s^2}{\alpha^8} - \frac{112 \pi q^5 s^3}{\alpha^8} + \frac{140 \pi q^4 s^4}{\alpha^8} - \frac{112 \pi q^3 s^5}{\alpha^8} + \right. \\
 & \quad \frac{56 \pi q^2 s^6}{\alpha^8} - \frac{16 \pi q s^7}{\alpha^8} + \frac{2 \pi s^8}{\alpha^8} + \left. \left( -\frac{2 q^4}{\alpha^6} + \frac{8 q^3 s}{\alpha^6} - \frac{12 q^2 s^2}{\alpha^6} + \frac{8 q s^3}{\alpha^6} - \frac{2 s^4}{\alpha^6} \right) \#1 + \right. \\
 & \quad \left. \left( -\frac{8 \pi q^6}{\alpha^6} + \frac{48 \pi q^5 s}{\alpha^6} - \frac{120 \pi q^4 s^2}{\alpha^6} + \frac{160 \pi q^3 s^3}{\alpha^6} - \frac{120 \pi q^2 s^4}{\alpha^6} + \frac{48 \pi q s^5}{\alpha^6} - \frac{8 \pi s^6}{\alpha^6} \right) \#1^2 + \right. \\
 & \quad \left. \left( -\frac{11 q^2}{\alpha^4} + \frac{22 q s}{\alpha^4} - \frac{11 s^2}{\alpha^4} \right) \#1^3 + \left( \frac{12 \pi q^4}{\alpha^4} - \frac{48 \pi q^3 s}{\alpha^4} + \frac{72 \pi q^2 s^2}{\alpha^4} - \frac{48 \pi q s^3}{\alpha^4} + \frac{12 \pi s^4}{\alpha^4} \right) \#1^4 - \right. \\
 & \quad \left. \frac{2 \#1^5}{\alpha^2} + \left( -\frac{8 \pi q^2}{\alpha^2} + \frac{16 \pi q s}{\alpha^2} - \frac{8 \pi s^2}{\alpha^2} \right) \#1^6 + 2 \pi \#1^8 \ \&, \right. \\
 & \left. 2\right], \{s, 0, 5\}, \{q, 0, 5\}, \{\alpha, 0, 4 \pi\}]
 \end{aligned}$$



... Power: Infinite expression  $\frac{1}{0}$  encountered.



$$\begin{aligned}
 \text{In[ ]:= Solve} & \left[ -\frac{945 l^3 \alpha^2 (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{16 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{11/2}} + \right. \\
 & \frac{105 l^3 \alpha^2 \gamma \theta (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l^3 x \alpha^2 \theta (2 r x \gamma - 2 r^2 \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l^3 \alpha^2 (2 x \gamma - 4 r \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l^3 \alpha^2 (-4 x \gamma + 2 r \theta) (2 r x \gamma - 2 r^2 \theta) (2 x \gamma \theta - 2 r \theta^2)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l^3 r \alpha^2 \gamma (-2 x^2 \gamma + 2 r x \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \left. \frac{105 l^3 r x \alpha^2 (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} \right]
 \end{aligned}$$

$$\begin{aligned}
 & \frac{105 \, l \, (2 \, r \, x \, \gamma - 2 \, r^2 \, \theta) \, (-2 \, x^2 \, \gamma + 2 \, r \, x \, \theta) \, (-2 \, x \, \gamma^2 + 2 \, r \, \gamma \, \theta) \, (2 \, x \, \gamma \, \theta - 2 \, r \, \theta^2)}{16 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{9/2}} - \\
 & \frac{30 \, l^3 \, r \, x \, \alpha^2 \, \gamma \, \theta}{(l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \frac{15 \, l^3 \, \alpha^2 \, (2 \, x \, \gamma - 4 \, r \, \theta) \, (-4 \, x \, \gamma + 2 \, r \, \theta)}{4 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \\
 & \frac{15 \, l^3 \, \alpha^2 \, \theta \, (2 \, r \, x \, \gamma - 2 \, r^2 \, \theta)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \frac{15 \, l^3 \, \alpha^2 \, \gamma \, (-2 \, x^2 \, \gamma + 2 \, r \, x \, \theta)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \\
 & \frac{15 \, l \, \gamma \, \theta \, (2 \, r \, x \, \gamma - 2 \, r^2 \, \theta) \, (-2 \, x^2 \, \gamma + 2 \, r \, x \, \theta)}{4 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \\
 & \frac{15 \, l^3 \, x \, \alpha^2 \, (-2 \, x \, \gamma^2 + 2 \, r \, \gamma \, \theta)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \frac{15 \, l \, x \, \theta \, (2 \, r \, x \, \gamma - 2 \, r^2 \, \theta) \, (-2 \, x \, \gamma^2 + 2 \, r \, \gamma \, \theta)}{4 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \\
 & \frac{15 \, l \, (2 \, x \, \gamma - 4 \, r \, \theta) \, (-2 \, x^2 \, \gamma + 2 \, r \, x \, \theta) \, (-2 \, x \, \gamma^2 + 2 \, r \, \gamma \, \theta)}{8 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \\
 & \frac{15 \, l^3 \, r \, \alpha^2 \, (2 \, x \, \gamma \, \theta - 2 \, r \, \theta^2)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \frac{15 \, l \, (-4 \, x \, \gamma + 2 \, r \, \theta) \, (2 \, r \, x \, \gamma - 2 \, r^2 \, \theta) \, (2 \, x \, \gamma \, \theta - 2 \, r \, \theta^2)}{8 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \\
 & \frac{15 \, l \, r \, \gamma \, (-2 \, x^2 \, \gamma + 2 \, r \, x \, \theta) \, (2 \, x \, \gamma \, \theta - 2 \, r \, \theta^2)}{4 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} - \frac{15 \, l \, r \, x \, (-2 \, x \, \gamma^2 + 2 \, r \, \gamma \, \theta) \, (2 \, x \, \gamma \, \theta - 2 \, r \, \theta^2)}{4 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{7/2}} + \\
 & \frac{3 \, l^3 \, \alpha^2}{(l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{5/2}} + \frac{6 \, l \, r \, x \, \gamma \, \theta}{(l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{5/2}} + \\
 & \frac{3 \, l \, (2 \, x \, \gamma - 4 \, r \, \theta) \, (-4 \, x \, \gamma + 2 \, r \, \theta)}{4 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{5/2}} + \frac{3 \, l \, \theta \, (2 \, r \, x \, \gamma - 2 \, r^2 \, \theta)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{5/2}} + \\
 & \frac{3 \, l \, \gamma \, (-2 \, x^2 \, \gamma + 2 \, r \, x \, \theta)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{5/2}} + \frac{3 \, l \, x \, (-2 \, x \, \gamma^2 + 2 \, r \, \gamma \, \theta)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{5/2}} + \\
 & \frac{3 \, l \, r \, (2 \, x \, \gamma \, \theta - 2 \, r \, \theta^2)}{2 \, (l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{5/2}} - \frac{l}{(l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2)^{3/2}} == \\
 & \frac{2 \, \pi \, \sqrt{l^2 \, \alpha^2 - x^2 \, \gamma^2 + 2 \, r \, x \, \gamma \, \theta - r^2 \, \theta^2}}{\alpha \, (\alpha \, \gamma \, \theta)^{1/3}}, r ]
 \end{aligned}$$

$$\begin{aligned}
 Out[4]= & \{ \{ r \rightarrow \text{Root} [ 2 \, l^{12} \, \pi \, \alpha^{12} - 12 \, l^{10} \, \pi \, x^2 \, \alpha^{10} \, \gamma^2 + 30 \, l^8 \, \pi \, x^4 \, \alpha^8 \, \gamma^4 - \\
 & 40 \, l^6 \, \pi \, x^6 \, \alpha^6 \, \gamma^6 + 30 \, l^4 \, \pi \, x^8 \, \alpha^4 \, \gamma^8 - 12 \, l^2 \, \pi \, x^{10} \, \alpha^2 \, \gamma^{10} + 2 \, \pi \, x^{12} \, \gamma^{12} - 2 \, l^9 \, \alpha^9 \, (\alpha \, \gamma \, \theta)^{1/3} - \\
 & 43 \, l^7 \, x^2 \, \alpha^7 \, \gamma^2 \, (\alpha \, \gamma \, \theta)^{1/3} - 9 \, l^5 \, x^4 \, \alpha^5 \, \gamma^4 \, (\alpha \, \gamma \, \theta)^{1/3} + 50 \, l^3 \, x^6 \, \alpha^3 \, \gamma^6 \, (\alpha \, \gamma \, \theta)^{1/3} + \\
 & 4 \, l \, x^8 \, \alpha \, \gamma^8 \, (\alpha \, \gamma \, \theta)^{1/3} + (24 \, l^{10} \, \pi \, x \, \alpha^{10} \, \gamma \, \theta - 120 \, l^8 \, \pi \, x^3 \, \alpha^8 \, \gamma^3 \, \theta + 240 \, l^6 \, \pi \, x^5 \, \alpha^6 \, \gamma^5 \, \theta - \\
 & 240 \, l^4 \, \pi \, x^7 \, \alpha^4 \, \gamma^7 \, \theta + 120 \, l^2 \, \pi \, x^9 \, \alpha^2 \, \gamma^9 \, \theta - 24 \, \pi \, x^{11} \, \gamma^{11} \, \theta + 122 \, l^7 \, x \, \alpha^7 \, \gamma \, \theta \, (\alpha \, \gamma \, \theta)^{1/3} + \\
 & 513 \, l^5 \, x^3 \, \alpha^5 \, \gamma^3 \, \theta \, (\alpha \, \gamma \, \theta)^{1/3} + 108 \, l^3 \, x^5 \, \alpha^3 \, \gamma^5 \, \theta \, (\alpha \, \gamma \, \theta)^{1/3} - 8 \, l \, x^7 \, \alpha \, \gamma^7 \, \theta \, (\alpha \, \gamma \, \theta)^{1/3} ) \#1 + \\
 & (-12 \, l^{10} \, \pi \, \alpha^{10} \, \theta^2 + 180 \, l^8 \, \pi \, x^2 \, \alpha^8 \, \gamma^2 \, \theta^2 - 600 \, l^6 \, \pi \, x^4 \, \alpha^6 \, \gamma^4 \, \theta^2 + 840 \, l^4 \, \pi \, x^6 \, \alpha^4 \, \gamma^6 \, \theta^2 - \\
 & 540 \, l^2 \, \pi \, x^8 \, \alpha^2 \, \gamma^8 \, \theta^2 + 132 \, \pi \, x^{10} \, \gamma^{10} \, \theta^2 - 43 \, l^7 \, \alpha^7 \, \theta^2 \, (\alpha \, \gamma \, \theta)^{1/3} - \\
 & 1008 \, l^5 \, x^2 \, \alpha^5 \, \gamma^2 \, \theta^2 \, (\alpha \, \gamma \, \theta)^{1/3} - 882 \, l^3 \, x^4 \, \alpha^3 \, \gamma^4 \, \theta^2 \, (\alpha \, \gamma \, \theta)^{1/3} - 32 \, l \, x^6 \, \alpha \, \gamma^6 \, \theta^2 \, (\alpha \, \gamma \, \theta)^{1/3} ) \#1^2 + \\
 & (-120 \, l^8 \, \pi \, x \, \alpha^8 \, \gamma \, \theta^3 + 800 \, l^6 \, \pi \, x^3 \, \alpha^6 \, \gamma^3 \, \theta^3 - 1680 \, l^4 \, \pi \, x^5 \, \alpha^4 \, \gamma^5 \, \theta^3 + \\
 & 1440 \, l^2 \, \pi \, x^7 \, \alpha^2 \, \gamma^7 \, \theta^3 - 440 \, \pi \, x^9 \, \gamma^9 \, \theta^3 + 513 \, l^5 \, x \, \alpha^5 \, \gamma \, \theta^3 \, (\alpha \, \gamma \, \theta)^{1/3} + \\
 & 1448 \, l^3 \, x^3 \, \alpha^3 \, \gamma^3 \, \theta^3 \, (\alpha \, \gamma \, \theta)^{1/3} + 136 \, l \, x^5 \, \alpha \, \gamma^5 \, \theta^3 \, (\alpha \, \gamma \, \theta)^{1/3} ) \#1^3 + \\
 & (30 \, l^8 \, \pi \, \alpha^8 \, \theta^4 - 600 \, l^6 \, \pi \, x^2 \, \alpha^6 \, \gamma^2 \, \theta^4 + 2100 \, l^4 \, \pi \, x^4 \, \alpha^4 \, \gamma^4 \, \theta^4 - 2520 \, l^2 \, \pi \, x^6 \, \alpha^2 \, \gamma^6 \, \theta^4 + 990 \, \pi \, x^8 \, \gamma^8 \, \theta^4 - \\
 & 9 \, l^5 \, \alpha^5 \, \theta^4 \, (\alpha \, \gamma \, \theta)^{1/3} - 882 \, l^3 \, x^2 \, \alpha^3 \, \gamma^2 \, \theta^4 \, (\alpha \, \gamma \, \theta)^{1/3} - 200 \, l \, x^4 \, \alpha \, \gamma^4 \, \theta^4 \, (\alpha \, \gamma \, \theta)^{1/3} ) \#1^4 +
 \end{aligned}$$



$$\begin{aligned}
 & 50 \text{l}^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 \text{l} x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3} \#1^6 + \\
 & (-240 \text{l}^4 \pi x \alpha^4 \gamma \theta^7 + 1440 \text{l}^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 \text{l} x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 \text{l}^4 \pi \alpha^4 \theta^8 - 540 \text{l}^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 \text{l} \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 + \\
 & (120 \text{l}^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 \text{l}^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \&, 3 \}], \\
 \{r \rightarrow \text{Root}[ & 2 \text{l}^{12} \pi \alpha^{12} - 12 \text{l}^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 \text{l}^8 \pi x^4 \alpha^8 \gamma^4 - 40 \text{l}^6 \pi x^6 \alpha^6 \gamma^6 + 30 \text{l}^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 \text{l}^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 \text{l}^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 \text{l}^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 \text{l}^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 \text{l}^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 \text{l} x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 \text{l}^{10} \pi x \alpha^{10} \gamma \theta - 120 \text{l}^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 \text{l}^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 \text{l}^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & 120 \text{l}^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 \text{l}^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & 513 \text{l}^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 \text{l}^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 \text{l} x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3}) \#1 + \\
 & (-12 \text{l}^{10} \pi \alpha^{10} \theta^2 + 180 \text{l}^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 \text{l}^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 \text{l}^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & 540 \text{l}^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 \text{l}^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & 1008 \text{l}^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 \text{l}^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 \text{l} x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3}) \#1^2 + \\
 & (-120 \text{l}^8 \pi x \alpha^8 \gamma \theta^3 + 800 \text{l}^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 \text{l}^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & 1440 \text{l}^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 \text{l}^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & 1448 \text{l}^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 \text{l} x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3}) \#1^3 + \\
 & (30 \text{l}^8 \pi \alpha^8 \theta^4 - 600 \text{l}^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 \text{l}^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 \text{l}^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & 9 \text{l}^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 \text{l}^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 \text{l} x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3}) \#1^4 + \\
 & (240 \text{l}^6 \pi x \alpha^6 \gamma \theta^5 - 1680 \text{l}^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 \text{l}^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & 108 \text{l}^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 \text{l} x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3}) \#1^5 + \\
 & (-40 \text{l}^6 \pi \alpha^6 \theta^6 + 840 \text{l}^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 \text{l}^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & 50 \text{l}^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 \text{l} x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3}) \#1^6 + \\
 & (-240 \text{l}^4 \pi x \alpha^4 \gamma \theta^7 + 1440 \text{l}^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 \text{l} x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 \text{l}^4 \pi \alpha^4 \theta^8 - 540 \text{l}^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 \text{l} \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 + \\
 & (120 \text{l}^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 \text{l}^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \&, 4 \}], \\
 \{r \rightarrow \text{Root}[ & 2 \text{l}^{12} \pi \alpha^{12} - 12 \text{l}^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 \text{l}^8 \pi x^4 \alpha^8 \gamma^4 - 40 \text{l}^6 \pi x^6 \alpha^6 \gamma^6 + 30 \text{l}^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 \text{l}^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 \text{l}^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 \text{l}^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 \text{l}^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 \text{l}^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 \text{l} x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 \text{l}^{10} \pi x \alpha^{10} \gamma \theta - 120 \text{l}^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 \text{l}^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 \text{l}^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & 120 \text{l}^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 \text{l}^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & 513 \text{l}^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 \text{l}^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 \text{l} x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3}) \#1 + \\
 & (-12 \text{l}^{10} \pi \alpha^{10} \theta^2 + 180 \text{l}^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 \text{l}^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 \text{l}^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & 540 \text{l}^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 \text{l}^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & 1008 \text{l}^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 \text{l}^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 \text{l} x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3}) \#1^2 + \\
 & (-120 \text{l}^8 \pi x \alpha^8 \gamma \theta^3 + 800 \text{l}^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 \text{l}^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & 1440 \text{l}^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 \text{l}^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & 1448 \text{l}^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 \text{l} x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3}) \#1^3 + \\
 & (30 \text{l}^8 \pi \alpha^8 \theta^4 - 600 \text{l}^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 \text{l}^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 \text{l}^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & 9 \text{l}^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 \text{l}^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 \text{l} x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3}) \#1^4 + \\
 & (240 \text{l}^6 \pi x \alpha^6 \gamma \theta^5 - 1680 \text{l}^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 \text{l}^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & 108 \text{l}^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 \text{l} x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3}) \#1^5 + \\
 & (-40 \text{l}^6 \pi \alpha^6 \theta^6 + 840 \text{l}^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 \text{l}^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & 50 \text{l}^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 \text{l} x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3}) \#1^6 + \\
 & (-240 \text{l}^4 \pi x \alpha^4 \gamma \theta^7 + 1440 \text{l}^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 \text{l} x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 \text{l}^4 \pi \alpha^4 \theta^8 - 540 \text{l}^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 \text{l} \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 +
 \end{aligned}$$

$$\begin{aligned}
 & (120 l^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 l^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \& , 5 \} \}, \\
 \{r \rightarrow \text{Root}[ & 2 l^{12} \pi \alpha^{12} - 12 l^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 l^8 \pi x^4 \alpha^8 \gamma^4 - 40 l^6 \pi x^6 \alpha^6 \gamma^6 + 30 l^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 l^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 l^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 l^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 l^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 l^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 l x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 l^{10} \pi x \alpha^{10} \gamma \theta - 120 l^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 l^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 l^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & \quad 120 l^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 l^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & \quad 513 l^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 l^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 l x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3}) \#1 + \\
 & (-12 l^{10} \pi \alpha^{10} \theta^2 + 180 l^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 l^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 l^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & \quad 540 l^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 l^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & \quad 1008 l^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 l x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3}) \#1^2 + \\
 & (-120 l^8 \pi x \alpha^8 \gamma \theta^3 + 800 l^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 l^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & \quad 1440 l^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 l^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & \quad 1448 l^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 l x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3}) \#1^3 + \\
 & (30 l^8 \pi \alpha^8 \theta^4 - 600 l^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 l^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 l^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & \quad 9 l^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 l x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3}) \#1^4 + \\
 & (240 l^6 \pi x \alpha^6 \gamma \theta^5 - 1680 l^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 l^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & \quad 108 l^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 l x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3}) \#1^5 + \\
 & (-40 l^6 \pi \alpha^6 \theta^6 + 840 l^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 l^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & \quad 50 l^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 l x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3}) \#1^6 + \\
 & (-240 l^4 \pi x \alpha^4 \gamma \theta^7 + 1440 l^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 l x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 l^4 \pi \alpha^4 \theta^8 - 540 l^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 l \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 + \\
 & (120 l^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 l^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \& , 6 \} \}, \\
 \{r \rightarrow \text{Root}[ & 2 l^{12} \pi \alpha^{12} - 12 l^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 l^8 \pi x^4 \alpha^8 \gamma^4 - 40 l^6 \pi x^6 \alpha^6 \gamma^6 + 30 l^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 l^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 l^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 l^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 l^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 l^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 l x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 l^{10} \pi x \alpha^{10} \gamma \theta - 120 l^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 l^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 l^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & \quad 120 l^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 l^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & \quad 513 l^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 l^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 l x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3}) \#1 + \\
 & (-12 l^{10} \pi \alpha^{10} \theta^2 + 180 l^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 l^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 l^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & \quad 540 l^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 l^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & \quad 1008 l^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 l x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3}) \#1^2 + \\
 & (-120 l^8 \pi x \alpha^8 \gamma \theta^3 + 800 l^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 l^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & \quad 1440 l^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 l^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & \quad 1448 l^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 l x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3}) \#1^3 + \\
 & (30 l^8 \pi \alpha^8 \theta^4 - 600 l^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 l^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 l^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & \quad 9 l^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 l x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3}) \#1^4 + \\
 & (240 l^6 \pi x \alpha^6 \gamma \theta^5 - 1680 l^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 l^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & \quad 108 l^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 l x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3}) \#1^5 + \\
 & (-40 l^6 \pi \alpha^6 \theta^6 + 840 l^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 l^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & \quad 50 l^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 l x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3}) \#1^6 + \\
 & (-240 l^4 \pi x \alpha^4 \gamma \theta^7 + 1440 l^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 l x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 l^4 \pi \alpha^4 \theta^8 - 540 l^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 l \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 + \\
 & (120 l^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 l^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \& , 7 \} \}, \\
 \{r \rightarrow \text{Root}[ & 2 l^{12} \pi \alpha^{12} - 12 l^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 l^8 \pi x^4 \alpha^8 \gamma^4 - 40 l^6 \pi x^6 \alpha^6 \gamma^6 + 30 l^4 \pi x^8 \alpha^4 \gamma^8 -
 \end{aligned}$$

$$\begin{aligned}
 & 12 l^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 l^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 l^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 l^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 l^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 l x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 l^{10} \pi x \alpha^{10} \gamma \theta - 120 l^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 l^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 l^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & \quad 120 l^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 l^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & \quad 513 l^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 l^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 l x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3}) \#1 + \\
 & (-12 l^{10} \pi \alpha^{10} \theta^2 + 180 l^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 l^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 l^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & \quad 540 l^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 l^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & \quad 1008 l^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 l x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3}) \#1^2 + \\
 & (-120 l^8 \pi x \alpha^8 \gamma \theta^3 + 800 l^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 l^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & \quad 1440 l^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 l^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & \quad 1448 l^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 l x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3}) \#1^3 + \\
 & (30 l^8 \pi \alpha^8 \theta^4 - 600 l^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 l^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 l^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & \quad 9 l^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 l x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3}) \#1^4 + \\
 & (240 l^6 \pi x \alpha^6 \gamma \theta^5 - 1680 l^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 l^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & \quad 108 l^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 l x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3}) \#1^5 + \\
 & (-40 l^6 \pi \alpha^6 \theta^6 + 840 l^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 l^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & \quad 50 l^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 l x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3}) \#1^6 + \\
 & (-240 l^4 \pi x \alpha^4 \gamma \theta^7 + 1440 l^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 l x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 l^4 \pi \alpha^4 \theta^8 - 540 l^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 l \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 + \\
 & (120 l^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 l^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \&, 8 \}], \\
 \{r \rightarrow \text{Root}[2 l^{12} \pi \alpha^{12} - 12 l^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 l^8 \pi x^4 \alpha^8 \gamma^4 - 40 l^6 \pi x^6 \alpha^6 \gamma^6 + 30 l^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 l^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 l^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 l^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 l^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 l^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 l x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 l^{10} \pi x \alpha^{10} \gamma \theta - 120 l^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 l^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 l^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & \quad 120 l^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 l^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & \quad 513 l^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 l^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 l x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3}) \#1 + \\
 & (-12 l^{10} \pi \alpha^{10} \theta^2 + 180 l^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 l^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 l^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & \quad 540 l^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 l^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & \quad 1008 l^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 l x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3}) \#1^2 + \\
 & (-120 l^8 \pi x \alpha^8 \gamma \theta^3 + 800 l^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 l^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & \quad 1440 l^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 l^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & \quad 1448 l^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 l x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3}) \#1^3 + \\
 & (30 l^8 \pi \alpha^8 \theta^4 - 600 l^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 l^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 l^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & \quad 9 l^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 l x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3}) \#1^4 + \\
 & (240 l^6 \pi x \alpha^6 \gamma \theta^5 - 1680 l^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 l^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & \quad 108 l^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 l x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3}) \#1^5 + \\
 & (-40 l^6 \pi \alpha^6 \theta^6 + 840 l^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 l^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & \quad 50 l^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 l x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3}) \#1^6 + \\
 & (-240 l^4 \pi x \alpha^4 \gamma \theta^7 + 1440 l^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 l x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 l^4 \pi \alpha^4 \theta^8 - 540 l^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 l \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 + \\
 & (120 l^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 l^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \&, 9 \}], \\
 \{r \rightarrow \text{Root}[2 l^{12} \pi \alpha^{12} - 12 l^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 l^8 \pi x^4 \alpha^8 \gamma^4 - 40 l^6 \pi x^6 \alpha^6 \gamma^6 + 30 l^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 l^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 l^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 l^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 l^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 l^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 l x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 l^{10} \pi x \alpha^{10} \gamma \theta - 120 l^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 l^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 l^4 \pi x^7 \alpha^4 \gamma^7 \theta +
 \end{aligned}$$



$$\begin{aligned}
 & 120 \text{ l}^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 \text{ l}^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & 513 \text{ l}^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 \text{ l}^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 \text{ l} x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3} \#1 + \\
 & (-12 \text{ l}^{10} \pi \alpha^{10} \theta^2 + 180 \text{ l}^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 \text{ l}^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 \text{ l}^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & 540 \text{ l}^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 \text{ l}^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & 1008 \text{ l}^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 \text{ l}^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 \text{ l} x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3} \#1^2 + \\
 & (-120 \text{ l}^8 \pi x \alpha^8 \gamma \theta^3 + 800 \text{ l}^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 \text{ l}^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & 1440 \text{ l}^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 \text{ l}^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & 1448 \text{ l}^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 \text{ l} x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3} \#1^3 + \\
 & (30 \text{ l}^8 \pi \alpha^8 \theta^4 - 600 \text{ l}^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 \text{ l}^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 \text{ l}^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & 9 \text{ l}^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 \text{ l}^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 \text{ l} x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3} \#1^4 + \\
 & (240 \text{ l}^6 \pi x \alpha^6 \gamma \theta^5 - 1680 \text{ l}^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 \text{ l}^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & 108 \text{ l}^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 \text{ l} x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3} \#1^5 + \\
 & (-40 \text{ l}^6 \pi \alpha^6 \theta^6 + 840 \text{ l}^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 \text{ l}^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & 50 \text{ l}^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 \text{ l} x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3} \#1^6 + \\
 & (-240 \text{ l}^4 \pi x \alpha^4 \gamma \theta^7 + 1440 \text{ l}^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 \text{ l} x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3} \#1^7 + \\
 & (30 \text{ l}^4 \pi \alpha^4 \theta^8 - 540 \text{ l}^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 \text{ l} \alpha \theta^8 (\alpha \gamma \theta)^{1/3} \#1^8 + \\
 & (120 \text{ l}^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 \text{ l}^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \& , 10 \} \}, \\
 \{r \rightarrow \text{Root}[2 \text{ l}^{12} \pi \alpha^{12} - 12 \text{ l}^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 \text{ l}^8 \pi x^4 \alpha^8 \gamma^4 - 40 \text{ l}^6 \pi x^6 \alpha^6 \gamma^6 + 30 \text{ l}^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 \text{ l}^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 \text{ l}^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 \text{ l}^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 \text{ l}^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 \text{ l}^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 \text{ l} x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 \text{ l}^{10} \pi x \alpha^{10} \gamma \theta - 120 \text{ l}^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 \text{ l}^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 \text{ l}^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & 120 \text{ l}^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 \text{ l}^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & 513 \text{ l}^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 \text{ l}^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 \text{ l} x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3} \#1 + \\
 & (-12 \text{ l}^{10} \pi \alpha^{10} \theta^2 + 180 \text{ l}^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 \text{ l}^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 \text{ l}^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 - \\
 & 540 \text{ l}^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 \text{ l}^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & 1008 \text{ l}^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 \text{ l}^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 \text{ l} x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3} \#1^2 + \\
 & (-120 \text{ l}^8 \pi x \alpha^8 \gamma \theta^3 + 800 \text{ l}^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 \text{ l}^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & 1440 \text{ l}^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 \text{ l}^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & 1448 \text{ l}^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 \text{ l} x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3} \#1^3 + \\
 & (30 \text{ l}^8 \pi \alpha^8 \theta^4 - 600 \text{ l}^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 \text{ l}^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 \text{ l}^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & 9 \text{ l}^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 \text{ l}^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 \text{ l} x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3} \#1^4 + \\
 & (240 \text{ l}^6 \pi x \alpha^6 \gamma \theta^5 - 1680 \text{ l}^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 \text{ l}^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & 108 \text{ l}^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 \text{ l} x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3} \#1^5 + \\
 & (-40 \text{ l}^6 \pi \alpha^6 \theta^6 + 840 \text{ l}^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 \text{ l}^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & 50 \text{ l}^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 \text{ l} x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3} \#1^6 + \\
 & (-240 \text{ l}^4 \pi x \alpha^4 \gamma \theta^7 + 1440 \text{ l}^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 \text{ l} x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3} \#1^7 + \\
 & (30 \text{ l}^4 \pi \alpha^4 \theta^8 - 540 \text{ l}^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 \text{ l} \alpha \theta^8 (\alpha \gamma \theta)^{1/3} \#1^8 + \\
 & (120 \text{ l}^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 \text{ l}^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \& , 11 \} \}, \\
 \{r \rightarrow \text{Root}[2 \text{ l}^{12} \pi \alpha^{12} - 12 \text{ l}^{10} \pi x^2 \alpha^{10} \gamma^2 + 30 \text{ l}^8 \pi x^4 \alpha^8 \gamma^4 - 40 \text{ l}^6 \pi x^6 \alpha^6 \gamma^6 + 30 \text{ l}^4 \pi x^8 \alpha^4 \gamma^8 - \\
 & 12 \text{ l}^2 \pi x^{10} \alpha^2 \gamma^{10} + 2 \pi x^{12} \gamma^{12} - 2 \text{ l}^9 \alpha^9 (\alpha \gamma \theta)^{1/3} - 43 \text{ l}^7 x^2 \alpha^7 \gamma^2 (\alpha \gamma \theta)^{1/3} - \\
 & 9 \text{ l}^5 x^4 \alpha^5 \gamma^4 (\alpha \gamma \theta)^{1/3} + 50 \text{ l}^3 x^6 \alpha^3 \gamma^6 (\alpha \gamma \theta)^{1/3} + 4 \text{ l} x^8 \alpha \gamma^8 (\alpha \gamma \theta)^{1/3} + \\
 & (24 \text{ l}^{10} \pi x \alpha^{10} \gamma \theta - 120 \text{ l}^8 \pi x^3 \alpha^8 \gamma^3 \theta + 240 \text{ l}^6 \pi x^5 \alpha^6 \gamma^5 \theta - 240 \text{ l}^4 \pi x^7 \alpha^4 \gamma^7 \theta + \\
 & 120 \text{ l}^2 \pi x^9 \alpha^2 \gamma^9 \theta - 24 \pi x^{11} \gamma^{11} \theta + 122 \text{ l}^7 x \alpha^7 \gamma \theta (\alpha \gamma \theta)^{1/3} + \\
 & 513 \text{ l}^5 x^3 \alpha^5 \gamma^3 \theta (\alpha \gamma \theta)^{1/3} + 108 \text{ l}^3 x^5 \alpha^3 \gamma^5 \theta (\alpha \gamma \theta)^{1/3} - 8 \text{ l} x^7 \alpha \gamma^7 \theta (\alpha \gamma \theta)^{1/3} \#1 + \\
 & (-12 \text{ l}^{10} \pi \alpha^{10} \theta^2 + 180 \text{ l}^8 \pi x^2 \alpha^8 \gamma^2 \theta^2 - 600 \text{ l}^6 \pi x^4 \alpha^6 \gamma^4 \theta^2 + 840 \text{ l}^4 \pi x^6 \alpha^4 \gamma^6 \theta^2 -
 \end{aligned}$$

$$\begin{aligned}
 & 540 l^2 \pi x^8 \alpha^2 \gamma^8 \theta^2 + 132 \pi x^{10} \gamma^{10} \theta^2 - 43 l^7 \alpha^7 \theta^2 (\alpha \gamma \theta)^{1/3} - \\
 & 1008 l^5 x^2 \alpha^5 \gamma^2 \theta^2 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^4 \alpha^3 \gamma^4 \theta^2 (\alpha \gamma \theta)^{1/3} - 32 l x^6 \alpha \gamma^6 \theta^2 (\alpha \gamma \theta)^{1/3} \#1^2 + \\
 & (-120 l^8 \pi x \alpha^8 \gamma \theta^3 + 800 l^6 \pi x^3 \alpha^6 \gamma^3 \theta^3 - 1680 l^4 \pi x^5 \alpha^4 \gamma^5 \theta^3 + \\
 & 1440 l^2 \pi x^7 \alpha^2 \gamma^7 \theta^3 - 440 \pi x^9 \gamma^9 \theta^3 + 513 l^5 x \alpha^5 \gamma \theta^3 (\alpha \gamma \theta)^{1/3} + \\
 & 1448 l^3 x^3 \alpha^3 \gamma^3 \theta^3 (\alpha \gamma \theta)^{1/3} + 136 l x^5 \alpha \gamma^5 \theta^3 (\alpha \gamma \theta)^{1/3}) \#1^3 + \\
 & (30 l^8 \pi \alpha^8 \theta^4 - 600 l^6 \pi x^2 \alpha^6 \gamma^2 \theta^4 + 2100 l^4 \pi x^4 \alpha^4 \gamma^4 \theta^4 - 2520 l^2 \pi x^6 \alpha^2 \gamma^6 \theta^4 + 990 \pi x^8 \gamma^8 \theta^4 - \\
 & 9 l^5 \alpha^5 \theta^4 (\alpha \gamma \theta)^{1/3} - 882 l^3 x^2 \alpha^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{1/3} - 200 l x^4 \alpha \gamma^4 \theta^4 (\alpha \gamma \theta)^{1/3}) \#1^4 + \\
 & (240 l^6 \pi x \alpha^6 \gamma \theta^5 - 1680 l^4 \pi x^3 \alpha^4 \gamma^3 \theta^5 + 3024 l^2 \pi x^5 \alpha^2 \gamma^5 \theta^5 - 1584 \pi x^7 \gamma^7 \theta^5 + \\
 & 108 l^3 x \alpha^3 \gamma \theta^5 (\alpha \gamma \theta)^{1/3} + 136 l x^3 \alpha \gamma^3 \theta^5 (\alpha \gamma \theta)^{1/3}) \#1^5 + \\
 & (-40 l^6 \pi \alpha^6 \theta^6 + 840 l^4 \pi x^2 \alpha^4 \gamma^2 \theta^6 - 2520 l^2 \pi x^4 \alpha^2 \gamma^4 \theta^6 + 1848 \pi x^6 \gamma^6 \theta^6 + \\
 & 50 l^3 \alpha^3 \theta^6 (\alpha \gamma \theta)^{1/3} - 32 l x^2 \alpha \gamma^2 \theta^6 (\alpha \gamma \theta)^{1/3}) \#1^6 + \\
 & (-240 l^4 \pi x \alpha^4 \gamma \theta^7 + 1440 l^2 \pi x^3 \alpha^2 \gamma^3 \theta^7 - 1584 \pi x^5 \gamma^5 \theta^7 - 8 l x \alpha \gamma \theta^7 (\alpha \gamma \theta)^{1/3}) \#1^7 + \\
 & (30 l^4 \pi \alpha^4 \theta^8 - 540 l^2 \pi x^2 \alpha^2 \gamma^2 \theta^8 + 990 \pi x^4 \gamma^4 \theta^8 + 4 l \alpha \theta^8 (\alpha \gamma \theta)^{1/3}) \#1^8 + \\
 & (120 l^2 \pi x \alpha^2 \gamma \theta^9 - 440 \pi x^3 \gamma^3 \theta^9) \#1^9 + \\
 & (-12 l^2 \pi \alpha^2 \theta^{10} + 132 \pi x^2 \gamma^2 \theta^{10}) \#1^{10} - 24 \pi x \gamma \theta^{11} \#1^{11} + 2 \pi \theta^{12} \#1^{12} \&, 12 \}}
 \end{aligned}$$

$$\text{In[ ]:=} \int \int \int \int \int \frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 l^2} e^{-\frac{2 \cdot c}{q(q-1 \cdot s) \text{Log}[\text{Cos}[\beta]]} \text{Sin}[\beta]^2}}{\sqrt{-1 \cdot w^2 + q^2 - 2 \cdot s q + s^2 + l^2} e^{-\frac{2 \cdot c}{q(q-1 \cdot s) \text{Log}[\text{Cos}[\beta]]} \text{Sin}[\beta]^2}} dw dq ds dl d\beta dc$$

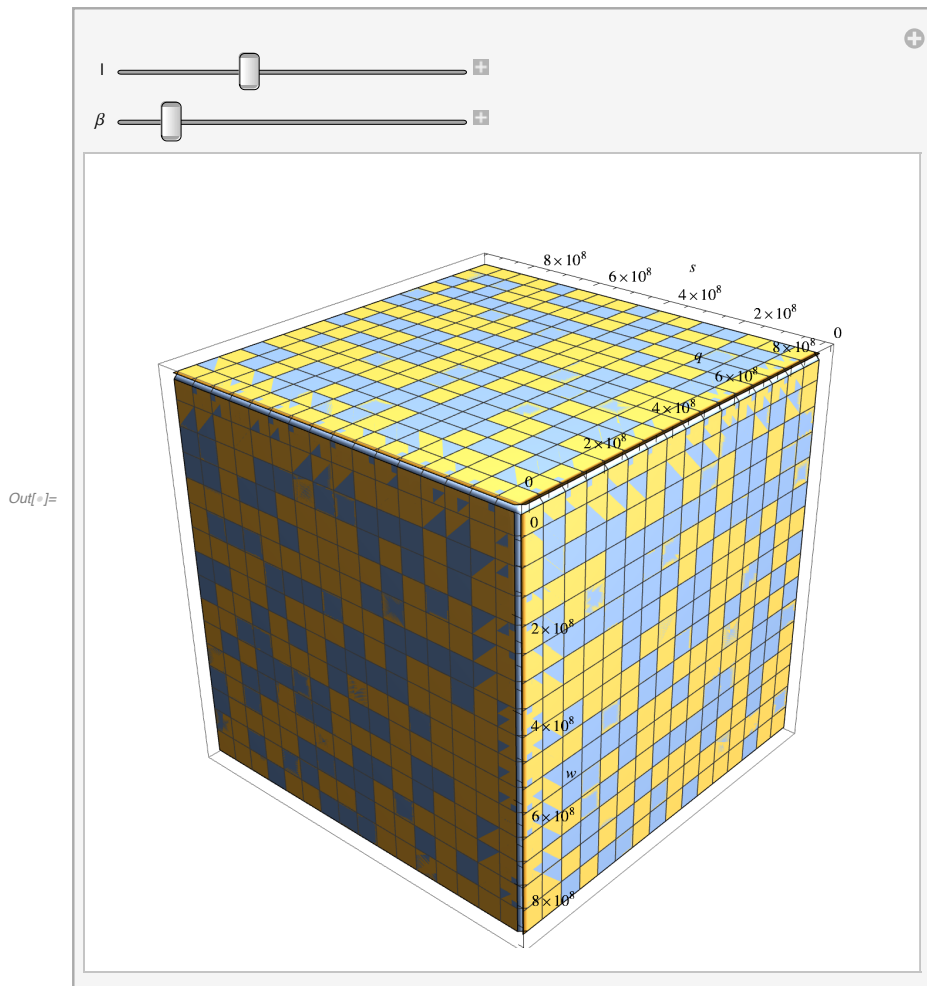
$$\text{Out[ ]:=} \frac{0.5 c l q s w \beta \sqrt{c^2 \left( q^2 - 2 q s + s^2 - w^2 + e^{-\frac{4 \cdot c}{q^2 s \text{Log}[\text{Cos}[\beta]] - 1 \cdot q s^2 \text{Log}[\text{Cos}[\beta]]} l^2 \text{Sin}[\beta]^2} \right)}}{\sqrt{q^2 - 2 q s + s^2 - w^2 + e^{-\frac{4 \cdot c}{q^2 s \text{Log}[\text{Cos}[\beta]] - 1 \cdot q s^2 \text{Log}[\text{Cos}[\beta]]} l^2 \text{Sin}[\beta]^2}}$$

$$\text{In[ ]:= } c := 2.99792458 \cdot 10^8$$

In[ ]:= Manipulate[

$$\text{ContourPlot3D}\left[\left\{\frac{1. \cdot l \, q \, s \, w \, \beta \sqrt{c^2 \left( q^2 - 2 \, q \, s + s^2 - w^2 + e^{-\frac{4. \cdot c}{q^2 s \, \text{Log}[\text{Cos}[\beta]] - 1. \cdot q \, s^2 \, \text{Log}[\text{Cos}[\beta] ]} l^2 \, \text{Sin}[\beta]^2 \right)}}{\sqrt{q^2 - 2 \, q \, s + s^2 - w^2 + e^{-\frac{4. \cdot c}{q^2 s \, \text{Log}[\text{Cos}[\beta]] - 1. \cdot q \, s^2 \, \text{Log}[\text{Cos}[\beta] ]} l^2 \, \text{Sin}[\beta]^2}}}, \right. \\ \left. - \frac{1. \cdot l \, q \, s \, w \, \beta \sqrt{c^2 \left( q^2 - 2 \, q \, s + s^2 - w^2 + e^{-\frac{4. \cdot c}{q^2 s \, \text{Log}[\text{Cos}[\beta]] - 1. \cdot q \, s^2 \, \text{Log}[\text{Cos}[\beta] ]} l^2 \, \text{Sin}[\beta]^2 \right)}}{\sqrt{q^2 - 2 \, q \, s + s^2 - w^2 + e^{-\frac{4. \cdot c}{q^2 s \, \text{Log}[\text{Cos}[\beta]] - 1. \cdot q \, s^2 \, \text{Log}[\text{Cos}[\beta] ]} l^2 \, \text{Sin}[\beta]^2}}}, \right\},$$

{w, 0, c π}, {s, 0, c π}, {q, 0, c π}, AxesLabel → Automatic,  
ColorFunction → "Lighttemperaturemap", {l, 0, 5}, {β, 0, π / 2}]



# *Perceptual Affects of Flow Assignments*

We, as perceivers and imaginers, have all manner of effects on that underpinning of reality we call, "substance." Be it substance of spoken meaning or substance of ascertained actuality of existant things, how we perceive something drastically imparts variations of meaning, significance and import. In fact, as we will show, those very fabricated dimensions may instill substance, instill meaning, and drive emotions, ideal emotions, imparting information into the fabric of reality through the perception itself. Through the data we put in, we can effect the words we read, the words of the written reality, the tantras of the allegedly meaning – based derivations, and the formal fundamental principles of all existence as they evolve in the environment.

**This is the mathematics of how these things may transpire, and the dynamics of these flow forms are indicative of emotions in a machine.**

$$\theta r = \gamma x - \alpha y \tag{1}$$

**0.0.1.**  $\theta r = s$

**0.0.2.**  $\gamma x = q$

**0.0.3.**  $\alpha y = p$

**0.0.4.**  $l\alpha = w$

$$\ln[*]= y^2 = l^2 - h^2 \tag{2}$$

$$\theta r = \gamma x - \alpha \sqrt{l^2 - h^2} \tag{3}$$

$$s = q - \alpha \sqrt{l^2 - h^2} \tag{4}$$

- $l \sin[\beta] = h$
- SOH;  $h/l = \sin[\beta]$
- CAH;  $y/l = \cos[\beta]$
- TOA;  $h/y = \tan[\beta]$

$$y = \frac{q - s}{\alpha} \tag{5}$$

Consider how the variable,  $w$ , is purely algebraic – it exists as a construct of algebraic symbolic manipulation, alone and has no actual reality within the diagrammed geometry, which is postulated real through a perfect calculus of balanced infinity forms. It is therefore called a, "fabricated," dimension. However, we will show that these kinds of fabricated dimensions are most useful for describing some of the most important phenomena that mankind has designated, "real."

Therefore, the imagination, or perhaps rather, the construct of man's imagination, determination and functional stipulation is a fundamental component of his perceived reality. In this way, empiricism can include the product of the subject while acknowledging the indeterminable and ineffectuality of absolutism.

## Fabricated Dimension W and its functions

*With the following forms, solutions to the compiled, or "made up," quantity,  $l \alpha = w$ , we demonstrate the varying functions of which  $w$  is :*

1. Velocity of a Geometric Mean Time Unit Equals Instantaneous Velocity of the Height:

$$\begin{aligned} \text{In[*]} &:= \mathcal{D}\left[\mathcal{D}\left[\mathcal{D}\left[\frac{\sqrt{-q^2 + 2qs - s^2 + w^2}}{\alpha}, q\right], s\right], w\right], \alpha \\ \text{Out[*]} &:= -\frac{3(2q - 2s)(-2q + 2s)w}{4(-q^2 + 2qs - s^2 + w^2)^{5/2}\alpha^2} + \frac{w}{(-q^2 + 2qs - s^2 + w^2)^{3/2}\alpha^2} \end{aligned}$$

$$\text{Geometric Mean Time} = \frac{(\alpha \gamma \theta)^{1/3}}{2\pi};$$

$$\text{velocity} = \frac{\sqrt{-q^2 + 2qs - s^2 + w^2}}{\alpha (\text{Geometric Mean Time})} = \frac{2\pi \sqrt{-q^2 + 2qs - s^2 + w^2}}{\alpha (\alpha \gamma \theta)^{1/3}}$$

$$\frac{2\pi \sqrt{-q^2 + 2qs - s^2 + w^2}}{\alpha (\alpha \gamma \theta)^{1/3}} == -\frac{3(2q - 2s)(-2q + 2s)w}{4(-q^2 + 2qs - s^2 + w^2)^{5/2}\alpha^2} + \frac{w}{(-q^2 + 2qs - s^2 + w^2)^{3/2}\alpha^2}$$

$$\begin{aligned} \text{In[*]} &:= \text{Solve}\left[ \right. \\ &\quad \left. -\frac{3(2q - 2s)(-2q + 2s)w}{4(-q^2 + 2qs - s^2 + w^2)^{5/2}\alpha^2} + \frac{w}{(-q^2 + 2qs - s^2 + w^2)^{3/2}\alpha^2} == \frac{2\pi \sqrt{-q^2 + 2qs - s^2 + w^2}}{\alpha (\alpha \gamma \theta)^{1/3}}, w \right] \end{aligned}$$

$$\begin{aligned}
\text{Out[6]=} & \left\{ \left\{ w \rightarrow \text{Root} \left[ 2 \pi q^6 - 12 \pi q^5 s + 30 \pi q^4 s^2 - 40 \pi q^3 s^3 + 30 \pi q^2 s^4 - \right. \right. \\
& 12 \pi q s^5 + 2 \pi s^6 + \left( \frac{2 q^2 (\alpha \gamma \theta)^{1/3}}{\alpha} - \frac{4 q s (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{2 s^2 (\alpha \gamma \theta)^{1/3}}{\alpha} \right) \#1 + \\
& (-6 \pi q^4 + 24 \pi q^3 s - 36 \pi q^2 s^2 + 24 \pi q s^3 - 6 \pi s^4) \#1^2 + \\
& \left. \frac{(\alpha \gamma \theta)^{1/3} \#1^3}{\alpha} + (6 \pi q^2 - 12 \pi q s + 6 \pi s^2) \#1^4 - 2 \pi \#1^6 \&, 1 \right\} \right\}, \\
& \left\{ w \rightarrow \text{Root} \left[ 2 \pi q^6 - 12 \pi q^5 s + 30 \pi q^4 s^2 - 40 \pi q^3 s^3 + 30 \pi q^2 s^4 - 12 \pi q s^5 + \right. \right. \\
& 2 \pi s^6 + \left( \frac{2 q^2 (\alpha \gamma \theta)^{1/3}}{\alpha} - \frac{4 q s (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{2 s^2 (\alpha \gamma \theta)^{1/3}}{\alpha} \right) \#1 + \\
& (-6 \pi q^4 + 24 \pi q^3 s - 36 \pi q^2 s^2 + 24 \pi q s^3 - 6 \pi s^4) \#1^2 + \\
& \left. \frac{(\alpha \gamma \theta)^{1/3} \#1^3}{\alpha} + (6 \pi q^2 - 12 \pi q s + 6 \pi s^2) \#1^4 - 2 \pi \#1^6 \&, 2 \right\} \right\}, \\
& \left\{ w \rightarrow \text{Root} \left[ 2 \pi q^6 - 12 \pi q^5 s + 30 \pi q^4 s^2 - 40 \pi q^3 s^3 + 30 \pi q^2 s^4 - 12 \pi q s^5 + \right. \right. \\
& 2 \pi s^6 + \left( \frac{2 q^2 (\alpha \gamma \theta)^{1/3}}{\alpha} - \frac{4 q s (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{2 s^2 (\alpha \gamma \theta)^{1/3}}{\alpha} \right) \#1 + \\
& (-6 \pi q^4 + 24 \pi q^3 s - 36 \pi q^2 s^2 + 24 \pi q s^3 - 6 \pi s^4) \#1^2 + \\
& \left. \frac{(\alpha \gamma \theta)^{1/3} \#1^3}{\alpha} + (6 \pi q^2 - 12 \pi q s + 6 \pi s^2) \#1^4 - 2 \pi \#1^6 \&, 3 \right\} \right\}, \\
& \left\{ w \rightarrow \text{Root} \left[ 2 \pi q^6 - 12 \pi q^5 s + 30 \pi q^4 s^2 - 40 \pi q^3 s^3 + 30 \pi q^2 s^4 - 12 \pi q s^5 + \right. \right. \\
& 2 \pi s^6 + \left( \frac{2 q^2 (\alpha \gamma \theta)^{1/3}}{\alpha} - \frac{4 q s (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{2 s^2 (\alpha \gamma \theta)^{1/3}}{\alpha} \right) \#1 + \\
& (-6 \pi q^4 + 24 \pi q^3 s - 36 \pi q^2 s^2 + 24 \pi q s^3 - 6 \pi s^4) \#1^2 + \\
& \left. \frac{(\alpha \gamma \theta)^{1/3} \#1^3}{\alpha} + (6 \pi q^2 - 12 \pi q s + 6 \pi s^2) \#1^4 - 2 \pi \#1^6 \&, 4 \right\} \right\}, \\
& \left\{ w \rightarrow \text{Root} \left[ 2 \pi q^6 - 12 \pi q^5 s + 30 \pi q^4 s^2 - 40 \pi q^3 s^3 + 30 \pi q^2 s^4 - 12 \pi q s^5 + \right. \right. \\
& 2 \pi s^6 + \left( \frac{2 q^2 (\alpha \gamma \theta)^{1/3}}{\alpha} - \frac{4 q s (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{2 s^2 (\alpha \gamma \theta)^{1/3}}{\alpha} \right) \#1 + \\
& (-6 \pi q^4 + 24 \pi q^3 s - 36 \pi q^2 s^2 + 24 \pi q s^3 - 6 \pi s^4) \#1^2 + \\
& \left. \frac{(\alpha \gamma \theta)^{1/3} \#1^3}{\alpha} + (6 \pi q^2 - 12 \pi q s + 6 \pi s^2) \#1^4 - 2 \pi \#1^6 \&, 5 \right\} \right\}, \\
& \left\{ w \rightarrow \text{Root} \left[ 2 \pi q^6 - 12 \pi q^5 s + 30 \pi q^4 s^2 - 40 \pi q^3 s^3 + 30 \pi q^2 s^4 - 12 \pi q s^5 + \right. \right. \\
& 2 \pi s^6 + \left( \frac{2 q^2 (\alpha \gamma \theta)^{1/3}}{\alpha} - \frac{4 q s (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{2 s^2 (\alpha \gamma \theta)^{1/3}}{\alpha} \right) \#1 + \\
& (-6 \pi q^4 + 24 \pi q^3 s - 36 \pi q^2 s^2 + 24 \pi q s^3 - 6 \pi s^4) \#1^2 + \\
& \left. \frac{(\alpha \gamma \theta)^{1/3} \#1^3}{\alpha} + (6 \pi q^2 - 12 \pi q s + 6 \pi s^2) \#1^4 - 2 \pi \#1^6 \&, 6 \right\} \right\}
\end{aligned}$$

$$\begin{aligned}
 &w \text{ is a function of the fabricated form, Solve} \left[ h == \frac{\sqrt{-q^2 + 2qs - s^2 + w^2}}{\alpha}, w \right] \\
 &\left\{ \left\{ w \rightarrow -\sqrt{q^2 - 2qs + s^2 + h^2 \alpha^2} \right\}, \left\{ w \rightarrow \sqrt{q^2 - 2qs + s^2 + h^2 \alpha^2} \right\} \right\} \\
 &w_* == l \alpha == \sqrt{q^2 - 2qs + s^2 + h^2 \alpha^2} = \sqrt{q^2 - 2qs + s^2 + m^2} \\
 &z_{**} == m_* - w_* == \sqrt{-q^2 + 2qs - s^2 + m^2} - \sqrt{q^2 - 2qs + s^2 + m^2} \\
 &\text{Solve} \left[ m - w == \sqrt{-q^2 + 2qs - s^2 + (l \alpha)^2} - \sqrt{q^2 - 2qs + s^2 + h^2 \alpha^2}, w \right] \\
 &\left\{ \left\{ w \rightarrow \frac{q^2 \sqrt{m^2 + q^2 - 2qs + s^2} - 2qs \sqrt{m^2 + q^2 - 2qs + s^2} + s^2 \sqrt{m^2 + q^2 - 2qs + s^2}}{q^2 - 2qs + s^2} \right\} \right\}
 \end{aligned}$$

**Thus, w is actually a function of a subsequent, fabricated dimensions, m and z, and delineated (drawn) dimensions q and s.**

3. w is a function of q and s through the phenomenological velocity, embedded dimension:

$$\begin{aligned}
 \text{In[ ]:=} &\text{Solve} \left[ \sqrt{-c^2 w^2 + c^2 q^2 - 2c^2 sq + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2} == \right. \\
 &\left. \sqrt{-1. \cdot w^2 + q^2 - 2. \cdot sq + s^2 + w^2 \text{Sin}[\beta]^2} v, w \right] \\
 \text{Out[ ]:=} &\left\{ \left\{ w \rightarrow \right. \right. \\
 &\left. \frac{1. \sqrt{8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + 8.98755 \times 10^{16} s^2 - 1. q^2 v^2 + 2. qs v^2 - 1. s^2 v^2}}{\sqrt{8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2}} \right. \\
 &\left. \right\}, \\
 &\left\{ w \rightarrow \right. \\
 &\left. \frac{\sqrt{8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + 8.98755 \times 10^{16} s^2 - 1. q^2 v^2 + 2. qs v^2 - 1. s^2 v^2}}{\sqrt{8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2}} \right\} \left. \right\}
 \end{aligned}$$

## Notable Quark Similarities of Delineated Dimensional Solutions

*What we see here is six solutions that are tangibly, quarks. Cone – based quark geometries are actually a subset of this broader equation. This is fundamental to why and how our perception can transmute matter. W is a fabricated dimension, which from a flawless ordinal algorithmic calculus is dependent on the fully fabricated z dimensions. Thus, as our perceptual imagination yield generates patterns of fabricated dimensions, they can naturally modify the formulations of the very quarks of existential powers.*

In[ ]:= Solve[

$$-\frac{3(2q-2s)(-2q+2s)w}{4(-q^2+2qs-s^2+w^2)^{5/2}\alpha^2} + \frac{w}{(-q^2+2qs-s^2+w^2)^{3/2}\alpha^2} == \frac{2\pi\sqrt{-q^2+2qs-s^2+w^2}}{\alpha(\alpha\gamma\theta)^{1/3}}, q]$$

$$\text{Out[ ]:= } \left\{ \left\{ q \rightarrow \frac{1}{2} \left( 2s - 2 \sqrt{\left( w^2 - \frac{2^{2/3}w(\alpha\gamma\theta)^{1/3}}{3^{1/3}\alpha \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3} + \frac{\left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3}}{6^{2/3}\pi} \right)} \right\} \right\},$$

$$\left\{ q \rightarrow \frac{1}{2} \left( 2s + 2 \sqrt{\left( w^2 - \frac{2^{2/3}w(\alpha\gamma\theta)^{1/3}}{3^{1/3}\alpha \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3} + \frac{\left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3}}{6^{2/3}\pi} \right)} \right\} \right\},$$

$$\left\{ q \rightarrow \frac{1}{2} \left( 2s - \sqrt{\left( 4s^2 - 4 \left( \frac{\pi s^2 - \pi w^2}{\pi} - \frac{(1+i\sqrt{3})w(\alpha\gamma\theta)^{1/3}}{6^{1/3}\alpha \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3} + \frac{(1-i\sqrt{3}) \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3}\pi} \right)} \right)} \right\} \right\},$$

$$\left\{ q \rightarrow \frac{1}{2} \left( 2s + \sqrt{\left( 4s^2 - 4 \left( \frac{\pi s^2 - \pi w^2}{\pi} - \frac{(1+i\sqrt{3})w(\alpha\gamma\theta)^{1/3}}{6^{1/3}\alpha \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3} + \frac{(1-i\sqrt{3}) \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3}\pi} \right)} \right)} \right\} \right\},$$

$$\left\{ q \rightarrow \frac{1}{2} \left( 2s - \sqrt{\left( 4s^2 - 4 \left( \frac{\pi s^2 - \pi w^2}{\pi} - \frac{(1-i\sqrt{3})w(\alpha\gamma\theta)^{1/3}}{6^{1/3}\alpha \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3} + \frac{(1+i\sqrt{3}) \left( -\frac{27\pi^2 w^3(\alpha\gamma\theta)^{1/3}}{\alpha} + \frac{\sqrt{3}\sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha\gamma\theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3}\pi} \right)} \right)} \right\} \right\},$$



$$\left. \left. \left. \frac{(1 + i \sqrt{3}) \left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3} \pi} \right) \right) \right\},$$

$$\left\{ \mathbf{q} \rightarrow \frac{1}{2} \left( 2 \mathbf{s} + \sqrt{\left( 4 \mathbf{s}^2 - 4 \left( \frac{\pi \mathbf{s}^2 - \pi w^2}{\pi} - \frac{(1 - i \sqrt{3}) w (\alpha \gamma \theta)^{1/3}}{6^{1/3} \alpha \left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}} \right. \right. \right. \right. \right. \right. \right. \left. \left. \left. \frac{(1 + i \sqrt{3}) \left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3} \pi} \right) \right) \right) \right) \right\}$$

In[\*]:= Manipulate[SphericalPlot3D[

$$\left\{ \frac{1}{2} \left( 2 \mathbf{s} - 2 \sqrt{\left( w^2 - \frac{2^{2/3} w (\alpha \gamma \theta)^{1/3}}{3^{1/3} \alpha \left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}} \right. \right. \right. \left. \left. \left. \frac{\left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{6^{2/3} \pi} \right) \right) \right),$$

$$\frac{1}{2} \left( 2 \mathbf{s} + 2 \sqrt{\left( w^2 - \frac{2^{2/3} w (\alpha \gamma \theta)^{1/3}}{3^{1/3} \alpha \left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}} \right. \right. \left. \left. \frac{\left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{6^{2/3} \pi} \right) \right),$$

$$\frac{1}{2} \left( 2 \mathbf{s} - \sqrt{\left( 4 \mathbf{s}^2 - 4 \left( \frac{\pi \mathbf{s}^2 - \pi w^2}{\pi} - \frac{(1 + i \sqrt{3}) w (\alpha \gamma \theta)^{1/3}}{6^{1/3} \alpha \left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}} \right. \right. \right. \left. \left. \left. \frac{(1 - i \sqrt{3}) \left( -\frac{27 \pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16 \pi^3 w^3 \gamma \theta + 243 \pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3} \pi} \right) \right) \right) \right),$$

$$\frac{1}{2} \left( 2s + \sqrt{\left( 4s^2 - 4 \left( \frac{\pi s^2 - \pi w^2}{\pi} - \frac{(1 + i\sqrt{3}) w (\alpha \gamma \theta)^{1/3}}{6^{1/3} \alpha \left( -\frac{27\pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}} \right. \right.} \right. \\ \left. \left. \left. \frac{(1 - i\sqrt{3}) \left( -\frac{27\pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3} \pi} \right) \right) \right),$$

$$\frac{1}{2} \left( 2s - \sqrt{\left( 4s^2 - 4 \left( \frac{\pi s^2 - \pi w^2}{\pi} - \frac{(1 - i\sqrt{3}) w (\alpha \gamma \theta)^{1/3}}{6^{1/3} \alpha \left( -\frac{27\pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}} \right. \right.} \right. \\ \left. \left. \left. \frac{(1 + i\sqrt{3}) \left( -\frac{27\pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3} \pi} \right) \right) \right),$$

$$\frac{1}{2} \left( 2s + \sqrt{\left( 4s^2 - 4 \left( \frac{\pi s^2 - \pi w^2}{\pi} - \frac{(1 - i\sqrt{3}) w (\alpha \gamma \theta)^{1/3}}{6^{1/3} \alpha \left( -\frac{27\pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}} \right. \right.} \right. \\ \left. \left. \left. \frac{(1 + i\sqrt{3}) \left( -\frac{27\pi^2 w^3 (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{\sqrt{3} \sqrt{16\pi^3 w^3 \gamma \theta + 243\pi^4 w^6 (\alpha \gamma \theta)^{2/3}}}{\alpha} \right)^{1/3}}{2 \times 6^{2/3} \pi} \right) \right) \right),$$

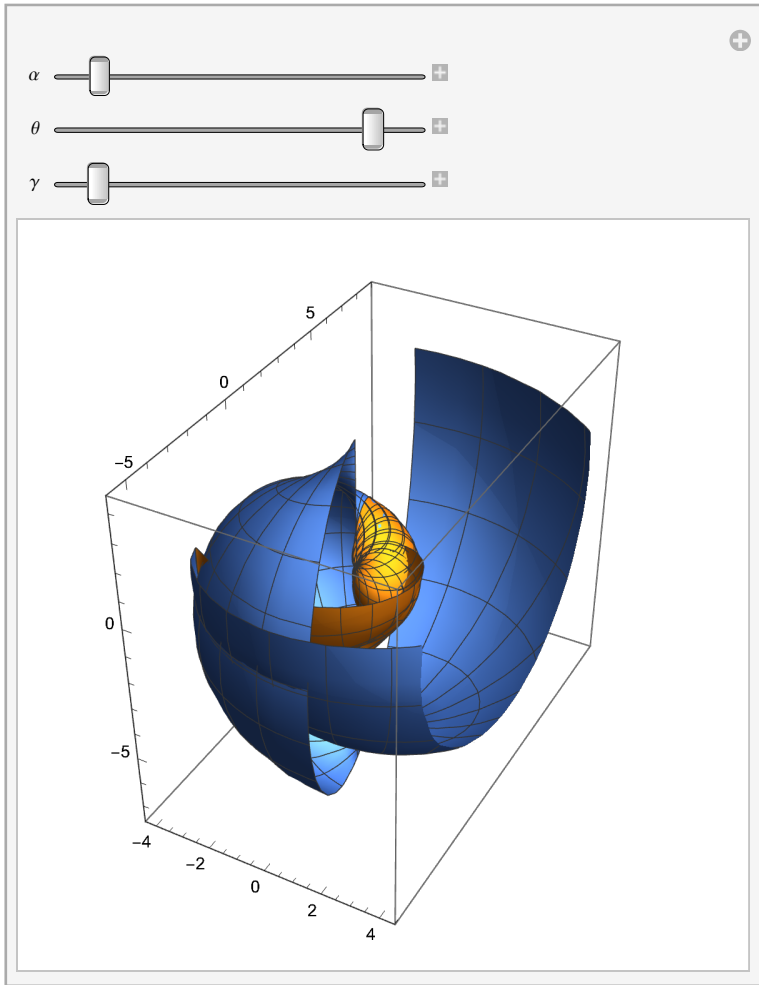
{s, 0, 5}, {w, 0, 5}], {\alpha, 0, 2\pi}, {\theta, 0, 2\pi}, {\gamma,

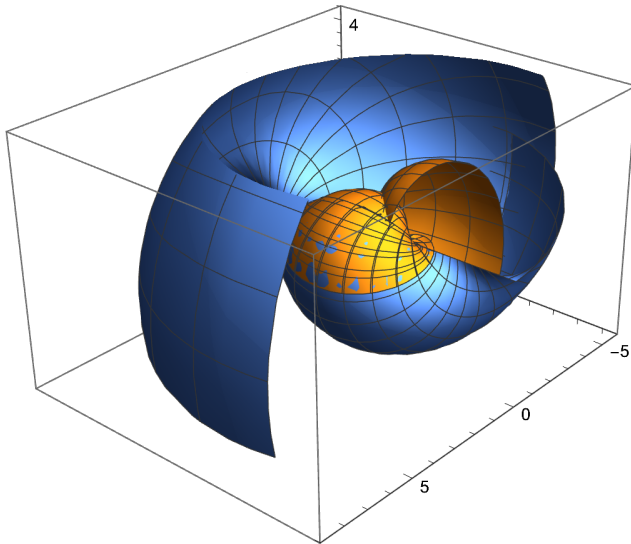
0,

2

\pi}]

Out[ ]=





- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity:** Indeterminate expression  $0 \pi^2 w^3$  ComplexInfinity encountered.
- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity:** Indeterminate expression  $0 \sqrt{3}$  ComplexInfinity encountered.
- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **General:** Further output of Power::infy will be suppressed during this calculation.
- ... **Infinity:** Indeterminate expression  $0 \pi^2 w^3$  ComplexInfinity encountered.
- ... **General:** Further output of Infinity::indet will be suppressed during this calculation.
- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity:** Indeterminate expression  $0. 2^{2/3} w$  ComplexInfinity encountered.
- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity:** Indeterminate expression  $0. 2^{2/3} w$  ComplexInfinity encountered.
- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **General:** Further output of Power::infy will be suppressed during this calculation.
- ... **Infinity:** Indeterminate expression  $0. (1 + i \sqrt{3}) w$  ComplexInfinity encountered.
- ... **General:** Further output of Infinity::indet will be suppressed during this calculation.

- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity:** Indeterminate expression  $0. 2^{2/3}$  w ComplexInfinity encountered.
- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **Infinity:** Indeterminate expression  $0. 2^{2/3}$  w ComplexInfinity encountered.
- ... **Power:** Infinite expression  $\frac{1}{0}$  encountered.
- ... **General:** Further output of Power::infy will be suppressed during this calculation.
- ... **Infinity:** Indeterminate expression  $0. (1 + i \sqrt{3})$  w ComplexInfinity encountered.
- ... **General:** Further output of Infinity::indet will be suppressed during this calculation.

## Naturally Equatable Formal Elements –

Using the Rote  $\theta$  notation :  $\sqrt{-(\infty - (\infty - 1))} = \sqrt{-1}$ , or since,  
 Con - Formal  $\infty$  notation :  $\text{Abs}[\infty - 1] := 1$ ,  $\sqrt{(\infty - (\infty - 1))} = \sqrt{-1}$ ,  
 - A balance from imaginary number infinity is found in  $l$ . How  
 does this merge with the  $n$ th imaginary fabricated dimension,  
 denoted "w\*"? The w dimension solved with v - curvature method,  
 denoted, "w" is also equatable with the solutions  
 discovered therein as well as the root solution of an equated

$$\text{In[*]:= Solve}\left[v \sqrt{-1. \cdot l^2 \alpha^2 + x^2 \gamma^2 - 2. \cdot r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} == \sqrt{-c^2 l^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 l^2 \alpha^2 \text{Sin}[\beta]^2}, l\right]$$

$$\text{Out[*]:= } \left\{ \left\{ l \rightarrow \frac{(0. + 1. i) \sqrt{1. c^2 x^2 \gamma^2 - 1. v^2 x^2 \gamma^2 - 2. c^2 r x \gamma \theta + 2. r v^2 x \gamma \theta + 1. c^2 r^2 \theta^2 - 1. r^2 v^2 \theta^2}}{\alpha \sqrt{-1. c^2 + 1. v^2 + 1. c^2 \text{Sin}[\beta]^2 - 1. v^2 \text{Sin}[\beta]^2}} \right\}, \left\{ l \rightarrow \frac{(0. + 1. i) \sqrt{1. c^2 x^2 \gamma^2 - 1. v^2 x^2 \gamma^2 - 2. c^2 r x \gamma \theta + 2. r v^2 x \gamma \theta + 1. c^2 r^2 \theta^2 - 1. r^2 v^2 \theta^2}}{\alpha \sqrt{-1. c^2 + 1. v^2 + 1. c^2 \text{Sin}[\beta]^2 - 1. v^2 \text{Sin}[\beta]^2}} \right\} \right\}$$

$$l \alpha = w = \left( \sqrt{ \left( 8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 1. \cdot q^2 v^2 + 2. \cdot q s v^2 - 1. \cdot s^2 v^2 \right) } \right) /$$

$$\left( \sqrt{ 8.987551787368176 \cdot 10^{16} - 1. \cdot v^2 - 8.987551787368176 \cdot 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 } \right) =$$

$$\left( 0. \cdot + 1. \cdot i \right)$$

$$\sqrt{ 1. \cdot c^2 x^2 \gamma^2 - 1. \cdot v^2 x^2 \gamma^2 - 2. \cdot c^2 r x \gamma \theta + 2. \cdot r v^2 x \gamma \theta + 1. \cdot c^2 r^2 \theta^2 - 1. \cdot r^2 v^2 \theta^2 } /$$

$$\left( \sqrt{ -1. \cdot c^2 + 1. \cdot v^2 + 1. \cdot c^2 \text{Sin}[\beta]^2 - 1. \cdot v^2 \text{Sin}[\beta]^2 } \right)$$

In[ ]:= Solve[

$$\left( \left( 0. \cdot + 1. \cdot i \right) \sqrt{ 1. \cdot c^2 x^2 \gamma^2 - 1. \cdot v^2 x^2 \gamma^2 - 2. \cdot c^2 r x \gamma \theta + 2. \cdot r v^2 x \gamma \theta + 1. \cdot c^2 r^2 \theta^2 - 1. \cdot r^2 v^2 \theta^2 } / \right. \\ \left. \left( \alpha \sqrt{ -1. \cdot c^2 + 1. \cdot v^2 + 1. \cdot c^2 \text{Sin}[\beta]^2 - 1. \cdot v^2 \text{Sin}[\beta]^2 } \right) \right) \alpha ==$$

$$\left( \sqrt{ \left( 8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 1. \cdot q^2 v^2 + 2. \cdot q s v^2 - 1. \cdot s^2 v^2 \right) } \right) /$$

$$\left( \sqrt{ 8.987551787368176 \cdot 10^{16} - 1. \cdot v^2 - 8.987551787368176 \cdot 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 } \right), s]$$

Out[ ]:=

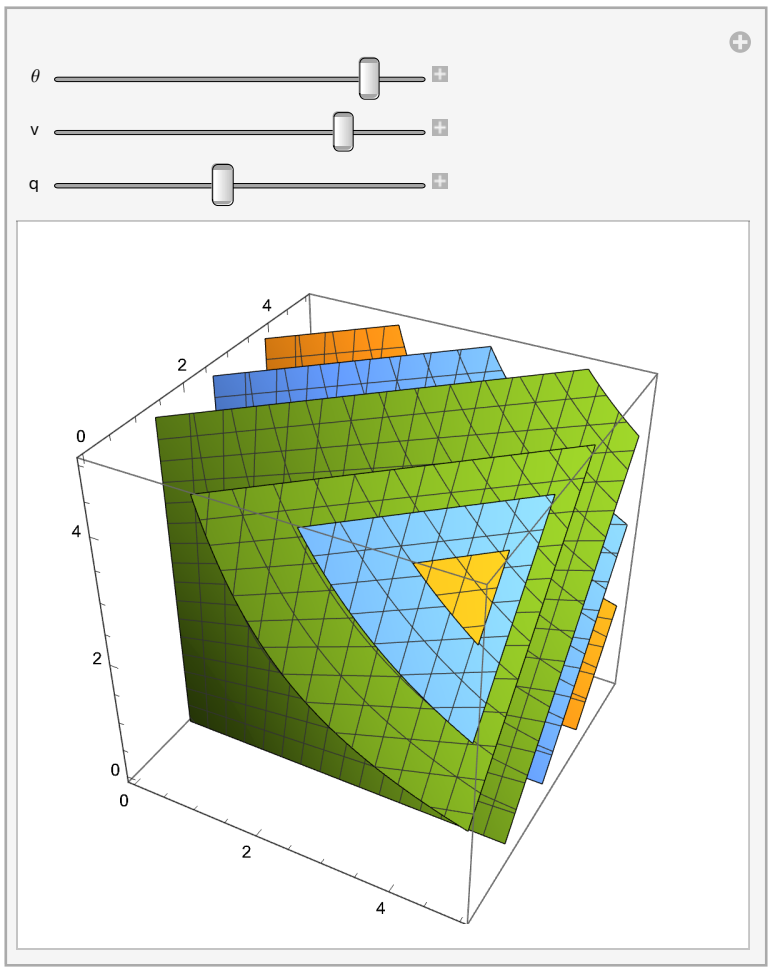
$$\left\{ \left\{ s \rightarrow \frac{1}{-8.98755 \times 10^{16} + v^2} \right. \right. \\ \left. \left. 0.5 \left( -1. \cdot q \left( 1.79751 \times 10^{17} - 2. \cdot v^2 \right) - 1. \cdot \sqrt{ \left( 3.23104 \times 10^{34} x^2 \gamma^2 - 7.19004 \times 10^{17} v^2 x^2 \gamma^2 + 4. \cdot v^4 x^2 \gamma^2 - 6.46209 \times 10^{34} r x \gamma \theta + 1.43801 \times 10^{18} r v^2 x \gamma \theta - 8. \cdot r v^4 x \gamma \theta + 3.23104 \times 10^{34} r^2 \theta^2 - 7.19004 \times 10^{17} r^2 v^2 \theta^2 + 4. \cdot r^2 v^4 \theta^2 \right) } \right) \right\}, \right. \\ \left. \left\{ s \rightarrow \frac{1}{-8.98755 \times 10^{16} + v^2} \right. \right. \\ \left. \left. 0.5 \left( -1. \cdot q \left( 1.79751 \times 10^{17} - 2. \cdot v^2 \right) + \sqrt{ \left( 3.23104 \times 10^{34} x^2 \gamma^2 - 7.19004 \times 10^{17} v^2 x^2 \gamma^2 + 4. \cdot v^4 x^2 \gamma^2 - 6.46209 \times 10^{34} r x \gamma \theta + 1.43801 \times 10^{18} r v^2 x \gamma \theta - 8. \cdot r v^4 x \gamma \theta + 3.23104 \times 10^{34} r^2 \theta^2 - 7.19004 \times 10^{17} r^2 v^2 \theta^2 + 4. \cdot r^2 v^4 \theta^2 \right) } \right) \right\} \right\}$$

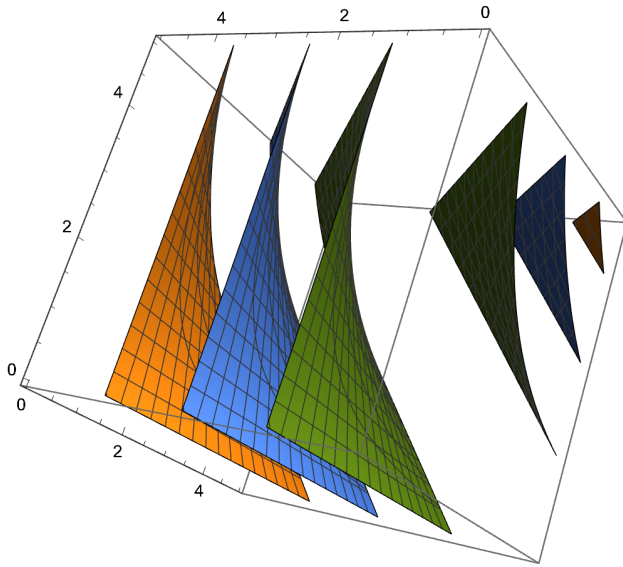
```

In[ ]:= Manipulate[ContourPlot3D[
  1
  -8.987551787368176`*^16 + v^2
  \sqrt{(3.231043485224996`*^34 x^2 \gamma^2 - 7.190041429894541`*^17 v^2 x^2 \gamma^2 + 4.`v^4 x^2 \gamma^2 -
  6.462086970449992`*^34 r x \gamma \theta + 1.4380082859789082`*^18 r v^2 x \gamma \theta -
  8.`r v^4 x \gamma \theta + 3.231043485224996`*^34 r^2 \theta^2 -
  7.190041429894541`*^17 r^2 v^2 \theta^2 + 4.`r^2 v^4 \theta^2)},
  {x, 0, 5}, {r, 0, 5}, {\gamma, 0, 5}], {\theta, 0, 2 \pi}, {v, 0, 2.99 * 10^8}, {q,
  0,
  5}]

```

Out[ ]:=





$$\begin{aligned} \text{In[*]}:= & \text{Solve}\left[-\left(\left(1.\sqrt{\left(8.987551787368176\cdot 10^{16}q^2-1.7975103574736352\cdot 10^{17}qs+\right.}\right.\right. \\ & \left.\left.8.987551787368176\cdot 10^{16}s^2-1.q^2v^2+2.qsv^2-1.s^2v^2\right)\right) / \\ & \left(\sqrt{8.987551787368176\cdot 10^{16}-1.v^2-8.987551787368176\cdot 10^{16}\text{Sin}[\beta]^2+v^2\text{Sin}[\beta]^2}\right) \\ & == -\sqrt{m^2+2q^2-4qs+2s^2+2\sqrt{m^2+q^2-2qs+s^2}z+z^2}, m \end{aligned}$$

$$\begin{aligned} \text{Out[*]}:= & \left\{ \left\{ m \rightarrow -0.5 \right. \right. \\ & \sqrt{\left(-\left(8.\left(4.49378\times 10^{16}q^2-8.98755\times 10^{16}qs+4.49378\times 10^{16}s^2-0.5q^2v^2+1.qsv^2-\right.\right.\right. \\ & \left.\left.\left.0.5s^2v^2-4.49378\times 10^{16}z^2+0.5v^2z^2-8.98755\times 10^{16}q^2\text{Sin}[\beta]^2+1.79751\times\right.\right.\right. \\ & \left.\left.\left.10^{17}qs\text{Sin}[\beta]^2-8.98755\times 10^{16}s^2\text{Sin}[\beta]^2+1.q^2v^2\text{Sin}[\beta]^2-2.qsv^2\right.\right.\right. \\ & \left.\left.\left. \text{Sin}[\beta]^2+1.s^2v^2\text{Sin}[\beta]^2+4.49378\times 10^{16}z^2\text{Sin}[\beta]^2-0.5v^2z^2\text{Sin}[\beta]^2\right)\right) / \right. \\ & \left.\left(8.98755\times 10^{16}-1.v^2-8.98755\times 10^{16}\text{Sin}[\beta]^2+v^2\text{Sin}[\beta]^2\right)\right)- \\ & 2.\sqrt{\left(\left(16.\left(4.49378\times 10^{16}q^2-8.98755\times 10^{16}qs+4.49378\times 10^{16}s^2-\right.\right.\right. \\ & \left.\left.\left.0.5q^2v^2+1.qsv^2-0.5s^2v^2-4.49378\times 10^{16}z^2+0.5v^2z^2-\right.\right.\right. \\ & \left.\left.\left.8.98755\times 10^{16}q^2\text{Sin}[\beta]^2+1.79751\times 10^{17}qs\text{Sin}[\beta]^2-\right.\right.\right. \\ & \left.\left.\left.8.98755\times 10^{16}s^2\text{Sin}[\beta]^2+1.q^2v^2\text{Sin}[\beta]^2-2.qsv^2\text{Sin}[\beta]^2+\right.\right.\right. \\ & \left.\left.\left.1.s^2v^2\text{Sin}[\beta]^2+4.49378\times 10^{16}z^2\text{Sin}[\beta]^2-0.5v^2z^2\text{Sin}[\beta]^2\right)^2\right) / \right. \\ & \left.\left(8.98755\times 10^{16}-1.v^2-8.98755\times 10^{16}\text{Sin}[\beta]^2+v^2\text{Sin}[\beta]^2\right)^2\right)- \\ & \left(16.\left(2.0194\times 10^{33}q^4-8.07761\times 10^{33}q^3s+1.21164\times 10^{34}q^2s^2-\right.\right. \\ & \left.\left.8.07761\times 10^{33}qs^3+2.0194\times 10^{33}s^4-4.49378\times 10^{16}q^4v^2+\right.\right. \\ & \left.\left.1.79751\times 10^{17}q^3sv^2-2.69627\times 10^{17}q^2s^2v^2+1.79751\times 10^{17}q^3s^2v^2-\right.\right. \\ & \left.\left.4.49378\times 10^{16}s^4v^2+0.25q^4v^4-1.q^3sv^4+1.5q^2s^2v^4-1.qs^3v^4+\right.\right. \\ & \left.\left.0.25s^4v^4-4.0388\times 10^{33}q^2z^2+8.07761\times 10^{33}qs z^2-4.0388\times 10^{33}s^2z^2+\right.\right. \\ & \left.\left.8.98755\times 10^{16}q^2v^2z^2-1.79751\times 10^{17}qs v^2z^2+8.98755\times 10^{16}s^2v^2z^2-\right.\right. \\ & \left.\left.0.5q^2v^4z^2+1.qsv^4z^2-0.5s^2v^4z^2+2.0194\times 10^{33}z^4-4.49378\times 10^{16}v^2\right.\right. \end{aligned}$$



$$\begin{aligned}
 & z^4 + 0.25 v^4 z^4 - 8.07761 \times 10^{33} q^4 \text{Sin}[\beta]^2 + 3.23104 \times 10^{34} q^3 s \text{Sin}[\beta]^2 - \\
 & 4.84657 \times 10^{34} q^2 s^2 \text{Sin}[\beta]^2 + 3.23104 \times 10^{34} q s^3 \text{Sin}[\beta]^2 - 8.07761 \times 10^{33} \\
 & s^4 \text{Sin}[\beta]^2 + 1.79751 \times 10^{17} q^4 v^2 \text{Sin}[\beta]^2 - 7.19004 \times 10^{17} q^3 s v^2 \text{Sin}[\beta]^2 + \\
 & 1.07851 \times 10^{18} q^2 s^2 v^2 \text{Sin}[\beta]^2 - 7.19004 \times 10^{17} q s^3 v^2 \text{Sin}[\beta]^2 + \\
 & 1.79751 \times 10^{17} s^4 v^2 \text{Sin}[\beta]^2 - 1. q^4 v^4 \text{Sin}[\beta]^2 + 4. q^3 s v^4 \text{Sin}[\beta]^2 - \\
 & 6. q^2 s^2 v^4 \text{Sin}[\beta]^2 + 4. q s^3 v^4 \text{Sin}[\beta]^2 - 1. s^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.0388 \times 10^{33} q^2 z^2 \text{Sin}[\beta]^2 - 8.07761 \times 10^{33} q s z^2 \text{Sin}[\beta]^2 + \\
 & 4.0388 \times 10^{33} s^2 z^2 \text{Sin}[\beta]^2 - 8.98755 \times 10^{16} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.79751 \times 10^{17} q s v^2 z^2 \text{Sin}[\beta]^2 - 8.98755 \times 10^{16} s^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 0.5 q^2 v^4 z^2 \text{Sin}[\beta]^2 - 1. q s v^4 z^2 \text{Sin}[\beta]^2 + 0.5 s^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
 & 4.0388 \times 10^{33} z^4 \text{Sin}[\beta]^2 + 8.98755 \times 10^{16} v^2 z^4 \text{Sin}[\beta]^2 - 0.5 v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 8.07761 \times 10^{33} q^4 \text{Sin}[\beta]^4 - 3.23104 \times 10^{34} q^3 s \text{Sin}[\beta]^4 + 4.84657 \times 10^{34} \\
 & q^2 s^2 \text{Sin}[\beta]^4 - 3.23104 \times 10^{34} q s^3 \text{Sin}[\beta]^4 + 8.07761 \times 10^{33} s^4 \text{Sin}[\beta]^4 - \\
 & 1.79751 \times 10^{17} q^4 v^2 \text{Sin}[\beta]^4 + 7.19004 \times 10^{17} q^3 s v^2 \text{Sin}[\beta]^4 - \\
 & 1.07851 \times 10^{18} q^2 s^2 v^2 \text{Sin}[\beta]^4 + 7.19004 \times 10^{17} q s^3 v^2 \text{Sin}[\beta]^4 - \\
 & 1.79751 \times 10^{17} s^4 v^2 \text{Sin}[\beta]^4 + 1. q^4 v^4 \text{Sin}[\beta]^4 - 4. q^3 s v^4 \text{Sin}[\beta]^4 + \\
 & 6. q^2 s^2 v^4 \text{Sin}[\beta]^4 - 4. q s^3 v^4 \text{Sin}[\beta]^4 + 1. s^4 v^4 \text{Sin}[\beta]^4 + 2.0194 \times 10^{33} \\
 & z^4 \text{Sin}[\beta]^4 - 4.49378 \times 10^{16} v^2 z^4 \text{Sin}[\beta]^4 + 0.25 v^4 z^4 \text{Sin}[\beta]^4) / \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^2) \Big\}, \\
 & \left\{ m \rightarrow 0.5 \sqrt{\left( - \left( (8. (4.49378 \times 10^{16} q^2 - 8.98755 \times 10^{16} q s + 4.49378 \times 10^{16} s^2 - \right. \right. \right. \\
 & 0.5 q^2 v^2 + 1. q s v^2 - 0.5 s^2 v^2 - 4.49378 \times 10^{16} z^2 + 0.5 v^2 z^2 - \\
 & 8.98755 \times 10^{16} q^2 \text{Sin}[\beta]^2 + 1.79751 \times 10^{17} q s \text{Sin}[\beta]^2 - \\
 & 8.98755 \times 10^{16} s^2 \text{Sin}[\beta]^2 + 1. q^2 v^2 \text{Sin}[\beta]^2 - 2. q s v^2 \text{Sin}[\beta]^2 + \\
 & 1. s^2 v^2 \text{Sin}[\beta]^2 + 4.49378 \times 10^{16} z^2 \text{Sin}[\beta]^2 - 0.5 v^2 z^2 \text{Sin}[\beta]^2) \Big) / \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2) - \\
 & 2. \sqrt{\left( (16. (4.49378 \times 10^{16} q^2 - 8.98755 \times 10^{16} q s + 4.49378 \times 10^{16} s^2 - \right. \\
 & 0.5 q^2 v^2 + 1. q s v^2 - 0.5 s^2 v^2 - 4.49378 \times 10^{16} z^2 + 0.5 v^2 z^2 - \\
 & 8.98755 \times 10^{16} q^2 \text{Sin}[\beta]^2 + 1.79751 \times 10^{17} q s \text{Sin}[\beta]^2 - \\
 & 8.98755 \times 10^{16} s^2 \text{Sin}[\beta]^2 + 1. q^2 v^2 \text{Sin}[\beta]^2 - 2. q s v^2 \text{Sin}[\beta]^2 + \\
 & 1. s^2 v^2 \text{Sin}[\beta]^2 + 4.49378 \times 10^{16} z^2 \text{Sin}[\beta]^2 - 0.5 v^2 z^2 \text{Sin}[\beta]^2) \Big)^2} / \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^2 - \\
 & (16. (2.0194 \times 10^{33} q^4 - 8.07761 \times 10^{33} q^3 s + 1.21164 \times 10^{34} q^2 s^2 - \\
 & 8.07761 \times 10^{33} q s^3 + 2.0194 \times 10^{33} s^4 - 4.49378 \times 10^{16} q^4 v^2 + \\
 & 1.79751 \times 10^{17} q^3 s v^2 - 2.69627 \times 10^{17} q^2 s^2 v^2 + 1.79751 \times 10^{17} q s^3 v^2 - \\
 & 4.49378 \times 10^{16} s^4 v^2 + 0.25 q^4 v^4 - 1. q^3 s v^4 + 1.5 q^2 s^2 v^4 - 1. q s^3 v^4 + \\
 & 0.25 s^4 v^4 - 4.0388 \times 10^{33} q^2 z^2 + 8.07761 \times 10^{33} q s z^2 - 4.0388 \times 10^{33} s^2 z^2 + \\
 & 8.98755 \times 10^{16} q^2 v^2 z^2 - 1.79751 \times 10^{17} q s v^2 z^2 + 8.98755 \times 10^{16} s^2 v^2 z^2 - \\
 & 0.5 q^2 v^4 z^2 + 1. q s v^4 z^2 - 0.5 s^2 v^4 z^2 + 2.0194 \times 10^{33} z^4 - 4.49378 \times 10^{16} v^2 \\
 & z^4 + 0.25 v^4 z^4 - 8.07761 \times 10^{33} q^4 \text{Sin}[\beta]^2 + 3.23104 \times 10^{34} q^3 s \text{Sin}[\beta]^2 - \\
 & 4.84657 \times 10^{34} q^2 s^2 \text{Sin}[\beta]^2 + 3.23104 \times 10^{34} q s^3 \text{Sin}[\beta]^2 - 8.07761 \times 10^{33} \\
 & s^4 \text{Sin}[\beta]^2 + 1.79751 \times 10^{17} q^4 v^2 \text{Sin}[\beta]^2 - 7.19004 \times 10^{17} q^3 s v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
 & 1.07851 \times 10^{18} q^2 s^2 v^2 \sin[\beta]^2 - 7.19004 \times 10^{17} q s^3 v^2 \sin[\beta]^2 + \\
 & 1.79751 \times 10^{17} s^4 v^2 \sin[\beta]^2 - 1. q^4 v^4 \sin[\beta]^2 + 4. q^3 s v^4 \sin[\beta]^2 - \\
 & 6. q^2 s^2 v^4 \sin[\beta]^2 + 4. q s^3 v^4 \sin[\beta]^2 - 1. s^4 v^4 \sin[\beta]^2 + \\
 & 4.0388 \times 10^{33} q^2 z^2 \sin[\beta]^2 - 8.07761 \times 10^{33} q s z^2 \sin[\beta]^2 + \\
 & 4.0388 \times 10^{33} s^2 z^2 \sin[\beta]^2 - 8.98755 \times 10^{16} q^2 v^2 z^2 \sin[\beta]^2 + \\
 & 1.79751 \times 10^{17} q s v^2 z^2 \sin[\beta]^2 - 8.98755 \times 10^{16} s^2 v^2 z^2 \sin[\beta]^2 + \\
 & 0.5 q^2 v^4 z^2 \sin[\beta]^2 - 1. q s v^4 z^2 \sin[\beta]^2 + 0.5 s^2 v^4 z^2 \sin[\beta]^2 - \\
 & 4.0388 \times 10^{33} z^4 \sin[\beta]^2 + 8.98755 \times 10^{16} v^2 z^4 \sin[\beta]^2 - 0.5 v^4 z^4 \sin[\beta]^2 + \\
 & 8.07761 \times 10^{33} q^4 \sin[\beta]^4 - 3.23104 \times 10^{34} q^3 s \sin[\beta]^4 + 4.84657 \times 10^{34} \\
 & \quad q^2 s^2 \sin[\beta]^4 - 3.23104 \times 10^{34} q s^3 \sin[\beta]^4 + 8.07761 \times 10^{33} s^4 \sin[\beta]^4 - \\
 & 1.79751 \times 10^{17} q^4 v^2 \sin[\beta]^4 + 7.19004 \times 10^{17} q^3 s v^2 \sin[\beta]^4 - \\
 & 1.07851 \times 10^{18} q^2 s^2 v^2 \sin[\beta]^4 + 7.19004 \times 10^{17} q s^3 v^2 \sin[\beta]^4 - \\
 & 1.79751 \times 10^{17} s^4 v^2 \sin[\beta]^4 + 1. q^4 v^4 \sin[\beta]^4 - 4. q^3 s v^4 \sin[\beta]^4 + \\
 & 6. q^2 s^2 v^4 \sin[\beta]^4 - 4. q s^3 v^4 \sin[\beta]^4 + 1. s^4 v^4 \sin[\beta]^4 + 2.0194 \times 10^{33} \\
 & \quad z^4 \sin[\beta]^4 - 4.49378 \times 10^{16} v^2 z^4 \sin[\beta]^4 + 0.25 v^4 z^4 \sin[\beta]^4) / \\
 & \left. \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^2 \right\}, \\
 & \left\{ m \rightarrow -0.5 \sqrt{\left( - \left( 8. \left( 4.49378 \times 10^{16} q^2 - 8.98755 \times 10^{16} q s + 4.49378 \times 10^{16} s^2 - \right. \right. \right. \right. \\
 & \quad 0.5 q^2 v^2 + 1. q s v^2 - 0.5 s^2 v^2 - 4.49378 \times 10^{16} z^2 + 0.5 v^2 z^2 - \\
 & \quad 8.98755 \times 10^{16} q^2 \sin[\beta]^2 + 1.79751 \times 10^{17} q s \sin[\beta]^2 - \\
 & \quad 8.98755 \times 10^{16} s^2 \sin[\beta]^2 + 1. q^2 v^2 \sin[\beta]^2 - 2. q s v^2 \sin[\beta]^2 + \\
 & \quad \left. \left. \left. \left. 1. s^2 v^2 \sin[\beta]^2 + 4.49378 \times 10^{16} z^2 \sin[\beta]^2 - 0.5 v^2 z^2 \sin[\beta]^2 \right) \right) \right) / \right. \\
 & \left. \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right) \right) + \\
 & 2. \sqrt{\left( \left( 16. \left( 4.49378 \times 10^{16} q^2 - 8.98755 \times 10^{16} q s + 4.49378 \times 10^{16} s^2 - \right. \right. \right. \right. \\
 & \quad 0.5 q^2 v^2 + 1. q s v^2 - 0.5 s^2 v^2 - 4.49378 \times 10^{16} z^2 + 0.5 v^2 z^2 - \\
 & \quad 8.98755 \times 10^{16} q^2 \sin[\beta]^2 + 1.79751 \times 10^{17} q s \sin[\beta]^2 - \\
 & \quad 8.98755 \times 10^{16} s^2 \sin[\beta]^2 + 1. q^2 v^2 \sin[\beta]^2 - 2. q s v^2 \sin[\beta]^2 + \\
 & \quad \left. \left. \left. \left. 1. s^2 v^2 \sin[\beta]^2 + 4.49378 \times 10^{16} z^2 \sin[\beta]^2 - 0.5 v^2 z^2 \sin[\beta]^2 \right) \right) \right) \right) / \\
 & \left. \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^2 - \right. \\
 & \left. \left( 16. \left( 2.0194 \times 10^{33} q^4 - 8.07761 \times 10^{33} q^3 s + 1.21164 \times 10^{34} q^2 s^2 - \right. \right. \right. \right. \\
 & \quad 8.07761 \times 10^{33} q s^3 + 2.0194 \times 10^{33} s^4 - 4.49378 \times 10^{16} q^4 v^2 + \\
 & \quad 1.79751 \times 10^{17} q^3 s v^2 - 2.69627 \times 10^{17} q^2 s^2 v^2 + 1.79751 \times 10^{17} q s^3 v^2 - \\
 & \quad 4.49378 \times 10^{16} s^4 v^2 + 0.25 q^4 v^4 - 1. q^3 s v^4 + 1.5 q^2 s^2 v^4 - 1. q s^3 v^4 + \\
 & \quad 0.25 s^4 v^4 - 4.0388 \times 10^{33} q^2 z^2 + 8.07761 \times 10^{33} q s z^2 - 4.0388 \times 10^{33} s^2 z^2 + \\
 & \quad 8.98755 \times 10^{16} q^2 v^2 z^2 - 1.79751 \times 10^{17} q s v^2 z^2 + 8.98755 \times 10^{16} s^2 v^2 z^2 - \\
 & \quad 0.5 q^2 v^4 z^2 + 1. q s v^4 z^2 - 0.5 s^2 v^4 z^2 + 2.0194 \times 10^{33} z^4 - 4.49378 \times 10^{16} v^2 \\
 & \quad z^4 + 0.25 v^4 z^4 - 8.07761 \times 10^{33} q^4 \sin[\beta]^2 + 3.23104 \times 10^{34} q^3 s \sin[\beta]^2 - \\
 & \quad 4.84657 \times 10^{34} q^2 s^2 \sin[\beta]^2 + 3.23104 \times 10^{34} q s^3 \sin[\beta]^2 - 8.07761 \times 10^{33} \\
 & \quad s^4 \sin[\beta]^2 + 1.79751 \times 10^{17} q^4 v^2 \sin[\beta]^2 - 7.19004 \times 10^{17} q^3 s v^2 \sin[\beta]^2 + \\
 & \quad 1.07851 \times 10^{18} q^2 s^2 v^2 \sin[\beta]^2 - 7.19004 \times 10^{17} q s^3 v^2 \sin[\beta]^2 + \\
 & \quad 1.79751 \times 10^{17} s^4 v^2 \sin[\beta]^2 - 1. q^4 v^4 \sin[\beta]^2 + 4. q^3 s v^4 \sin[\beta]^2 - \\
 & \quad \left. \left. \left. \left. 6. q^2 s^2 v^4 \sin[\beta]^2 + 4. q s^3 v^4 \sin[\beta]^2 - 1. s^4 v^4 \sin[\beta]^2 + \right. \right. \right. \right.
 \end{aligned}$$



$$\begin{aligned} & 1.79751 \times 10^{17} q s v^2 z^2 \sin[\beta]^2 - 8.98755 \times 10^{16} s^2 v^2 z^2 \sin[\beta]^2 + \\ & 0.5 q^2 v^4 z^2 \sin[\beta]^2 - 1. q s v^4 z^2 \sin[\beta]^2 + 0.5 s^2 v^4 z^2 \sin[\beta]^2 - \\ & 4.0388 \times 10^{33} z^4 \sin[\beta]^2 + 8.98755 \times 10^{16} v^2 z^4 \sin[\beta]^2 - 0.5 v^4 z^4 \sin[\beta]^2 + \\ & 8.07761 \times 10^{33} q^4 \sin[\beta]^4 - 3.23104 \times 10^{34} q^3 s \sin[\beta]^4 + 4.84657 \times 10^{34} \\ & q^2 s^2 \sin[\beta]^4 - 3.23104 \times 10^{34} q s^3 \sin[\beta]^4 + 8.07761 \times 10^{33} s^4 \sin[\beta]^4 - \\ & 1.79751 \times 10^{17} q^4 v^2 \sin[\beta]^4 + 7.19004 \times 10^{17} q^3 s v^2 \sin[\beta]^4 - \\ & 1.07851 \times 10^{18} q^2 s^2 v^2 \sin[\beta]^4 + 7.19004 \times 10^{17} q s^3 v^2 \sin[\beta]^4 - \\ & 1.79751 \times 10^{17} s^4 v^2 \sin[\beta]^4 + 1. q^4 v^4 \sin[\beta]^4 - 4. q^3 s v^4 \sin[\beta]^4 + \\ & 6. q^2 s^2 v^4 \sin[\beta]^4 - 4. q s^3 v^4 \sin[\beta]^4 + 1. s^4 v^4 \sin[\beta]^4 + 2.0194 \times 10^{33} \\ & z^4 \sin[\beta]^4 - 4.49378 \times 10^{16} v^2 z^4 \sin[\beta]^4 + 0.25 v^4 z^4 \sin[\beta]^4) / \\ & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^2) \} \} \end{aligned}$$

$$\begin{aligned} \text{In[ ]:= Solve} & \left[ m == 0.5 \sqrt{-\left( (8. (4.493775893684088 \cdot 10^{16} q^2 - 8.987551787368176 \cdot 10^{16} q s + \right. \right. \\ & 4.493775893684088 \cdot 10^{16} s^2 - 0.5 \cdot q^2 v^2 + 1. \cdot q s v^2 - 0.5 \cdot s^2 v^2 - \\ & 4.493775893684088 \cdot 10^{16} z^2 + 0.5 \cdot v^2 z^2 - 8.987551787368176 \cdot 10^{16} q^2 \\ & \sin[\beta]^2 + 1.7975103574736352 \cdot 10^{17} q s \sin[\beta]^2 - 8.987551787368176 \cdot 10^{16} \\ & s^2 \sin[\beta]^2 + 1. \cdot q^2 v^2 \sin[\beta]^2 - 2. \cdot q s v^2 \sin[\beta]^2 + 1. \cdot s^2 v^2 \sin[\beta]^2 + \\ & 4.493775893684088 \cdot 10^{16} z^2 \sin[\beta]^2 - 0.5 \cdot v^2 z^2 \sin[\beta]^2) \left. \right) / \\ & (8.987551787368176 \cdot 10^{16} - 1. \cdot v^2 - 8.987551787368176 \cdot 10^{16} \sin[\beta]^2 + \\ & v^2 \sin[\beta]^2) \left. \right) + \\ & 2. \cdot \sqrt{\left( (16. (4.493775893684088 \cdot 10^{16} q^2 - 8.987551787368176 \cdot 10^{16} q s + \right. \\ & 4.493775893684088 \cdot 10^{16} s^2 - 0.5 \cdot q^2 v^2 + 1. \cdot q s v^2 - \\ & 0.5 \cdot s^2 v^2 - 4.493775893684088 \cdot 10^{16} z^2 + 0.5 \cdot v^2 z^2 - \\ & 8.987551787368176 \cdot 10^{16} q^2 \sin[\beta]^2 + 1.7975103574736352 \cdot 10^{17} \\ & q s \sin[\beta]^2 - 8.987551787368176 \cdot 10^{16} s^2 \sin[\beta]^2 + \\ & 1. \cdot q^2 v^2 \sin[\beta]^2 - 2. \cdot q s v^2 \sin[\beta]^2 + 1. \cdot s^2 v^2 \sin[\beta]^2 + \\ & 4.493775893684088 \cdot 10^{16} z^2 \sin[\beta]^2 - 0.5 \cdot v^2 z^2 \sin[\beta]^2) \left. \right) / \\ & (8.987551787368176 \cdot 10^{16} - 1. \cdot v^2 - 8.987551787368176 \cdot 10^{16} \\ & \sin[\beta]^2 + v^2 \sin[\beta]^2)^2 - \\ & (16. (2.0194021782656225 \cdot 10^{33} q^4 - 8.07760871306249 \cdot 10^{33} q^3 \\ & s + 1.2116413069593733 \cdot 10^{34} q^2 s^2 - 8.07760871306249 \cdot 10^{33} q \\ & s^3 + 2.0194021782656225 \cdot 10^{33} s^4 - 4.493775893684088 \cdot 10^{16} q^4 \\ & v^2 + 1.7975103574736352 \cdot 10^{17} q^3 s v^2 - 2.6962655362104528 \cdot 10^{17} q^2 \\ & s^2 v^2 + 1.7975103574736352 \cdot 10^{17} q s^3 v^2 - 4.493775893684088 \cdot 10^{16} \\ & s^4 v^2 + 0.25 \cdot q^4 v^4 - 1. \cdot q^3 s v^4 + 1.5 \cdot q^2 s^2 v^4 - 1. \cdot q s^3 v^4 + 0.25 \cdot s^4 \\ & v^4 - 4.038804356531245 \cdot 10^{33} q^2 z^2 + 8.07760871306249 \cdot 10^{33} q s \\ & z^2 - 4.038804356531245 \cdot 10^{33} s^2 z^2 + 8.987551787368176 \cdot 10^{16} q^2 v^2 \\ & z^2 - 1.7975103574736352 \cdot 10^{17} q s v^2 z^2 + 8.987551787368176 \cdot 10^{16} s^2 v^2 \\ & z^2 - 0.5 \cdot q^2 v^4 z^2 + 1. \cdot q s v^4 z^2 - 0.5 \cdot s^2 v^4 z^2 + 2.0194021782656225 \cdot 10^{33} \\ & z^4 - 4.493775893684088 \cdot 10^{16} v^2 z^4 + 0.25 \cdot v^4 z^4 - 8.07760871306249 \cdot 10^{33} \\ & q^4 \sin[\beta]^2 + 3.231043485224996 \cdot 10^{34} q^3 s \sin[\beta]^2 - \end{aligned}$$

$$\begin{aligned}
 & 4.846565227837493 \cdot q^{34} s^2 \sin[\beta]^2 + 3.231043485224996 \cdot q^{34} s^3 \sin[\beta]^2 - 8.07760871306249 \cdot s^{43} \sin[\beta]^2 + 1.7975103574736352 \cdot q^4 v^2 \sin[\beta]^2 - 7.190041429894541 \cdot q^3 s v^2 \sin[\beta]^2 + \\
 & 1.0785062144841811 \cdot q^{18} s^2 v^2 \sin[\beta]^2 - 7.190041429894541 \cdot q^{17} q s^3 v^2 \sin[\beta]^2 + 1.7975103574736352 \cdot s^{17} s^4 v^2 \sin[\beta]^2 - 1. \cdot q^4 v^4 \sin[\beta]^2 + 4. \cdot q^3 s v^4 \sin[\beta]^2 - 6. \cdot q^2 s^2 v^4 \sin[\beta]^2 + 4. \cdot q s^3 v^4 \sin[\beta]^2 - 1. \cdot s^4 v^4 \sin[\beta]^2 + 4.038804356531245 \cdot q^{33} q^2 z^2 \sin[\beta]^2 - \\
 & 8.07760871306249 \cdot q^{33} q s z^2 \sin[\beta]^2 + 4.038804356531245 \cdot s^{33} s^2 z^2 \sin[\beta]^2 - 8.987551787368176 \cdot q^{16} q^2 v^2 z^2 \sin[\beta]^2 + \\
 & 1.7975103574736352 \cdot q^{17} q s v^2 z^2 \sin[\beta]^2 - 8.987551787368176 \cdot s^{16} s^2 v^2 z^2 \sin[\beta]^2 + 0.5 \cdot q^2 v^4 z^2 \sin[\beta]^2 - 1. \cdot q s v^4 z^2 \sin[\beta]^2 + 0.5 \cdot s^2 v^4 z^2 \sin[\beta]^2 - 4.038804356531245 \cdot z^{33} z^4 \sin[\beta]^2 + 8.987551787368176 \cdot s^{16} v^2 z^4 \sin[\beta]^2 - 0.5 \cdot v^4 z^4 \sin[\beta]^2 + 8.07760871306249 \cdot q^{33} q^4 \sin[\beta]^4 - \\
 & 3.231043485224996 \cdot q^{34} q^3 s \sin[\beta]^4 + 4.846565227837493 \cdot q^{34} q^2 s^2 \sin[\beta]^4 - 3.231043485224996 \cdot q^{34} q s^3 \sin[\beta]^4 + \\
 & 8.07760871306249 \cdot s^{33} s^4 \sin[\beta]^4 - 1.7975103574736352 \cdot q^{17} q^4 v^2 \sin[\beta]^4 + 7.190041429894541 \cdot q^{17} q^3 s v^2 \sin[\beta]^4 - \\
 & 1.0785062144841811 \cdot q^{18} q^2 s^2 v^2 \sin[\beta]^4 + 7.190041429894541 \cdot q^{17} q s^3 v^2 \sin[\beta]^4 - 1.7975103574736352 \cdot s^{17} s^4 v^2 \sin[\beta]^4 + 1. \cdot q^4 v^4 \sin[\beta]^4 - 4. \cdot q^3 s v^4 \sin[\beta]^4 + 6. \cdot q^2 s^2 v^4 \sin[\beta]^4 - 4. \cdot q s^3 v^4 \sin[\beta]^4 + 1. \cdot s^4 v^4 \sin[\beta]^4 + 2.0194021782656225 \cdot z^{33} z^4 \sin[\beta]^4 - \\
 & 4.493775893684088 \cdot s^{16} v^2 z^4 \sin[\beta]^4 + 0.25 \cdot v^4 z^4 \sin[\beta]^4) / \\
 & (8.987551787368176 \cdot s^{16} - 1. \cdot v^2 - 8.987551787368176 \cdot s^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^2), v]
 \end{aligned}$$

Out[ ] = { {v → Root[

$$\begin{aligned}
 & 2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 - 5.45814592381516 \times 10^{92} m^2 z^2 + \\
 & 2.72907296190758 \times 10^{92} z^4 + 2.04221749558564 \times 10^{82} \sin[\beta]^2 - \\
 & 5.45814592381516 \times 10^{92} m^4 \sin[\beta]^2 - 1.99435302303285 \times 10^{79} z^2 \sin[\beta]^2 + \\
 & 1.09162918476303 \times 10^{93} m^2 z^2 \sin[\beta]^2 - 5.45814592381516 \times 10^{92} z^4 \sin[\beta]^2 - \\
 & 4.08443499117128 \times 10^{82} \sin[\beta]^4 + 2.72907296190758 \times 10^{92} m^4 \sin[\beta]^4 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 \sin[\beta]^4 + 2.72907296190758 \times 10^{92} z^4 \sin[\beta]^4 + \\
 & (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 - \\
 & 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \sin[\beta]^2 + \\
 & 2.42920254723271 \times 10^{76} m^4 \sin[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \sin[\beta]^2 - \\
 & 4.85840509446541 \times 10^{76} m^2 z^2 \sin[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \sin[\beta]^2 + \\
 & 1.47573858559769 \times 10^{66} \sin[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \sin[\beta]^4 + \\
 & 2.42920254723271 \times 10^{76} m^2 z^2 \sin[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \sin[\beta]^4) \#1^2 + \\
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \sin[\beta]^2 - \\
 & 4.05427852551609 \times 10^{59} m^4 \sin[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \sin[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
 & 8.1085570510322 \times 10^{59} m^2 z^2 \sin[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \sin[\beta]^2 - \\
 & 2.16033093991256 \times 10^{49} \sin[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \sin[\beta]^4 - \\
 & 4.05427852551609 \times 10^{59} m^2 z^2 \sin[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \sin[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & 1.57697687183116 \times 10^{32} \sin[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \sin[\beta]^2 - \\
 & 6.01465763822995 \times 10^{42} m^2 z^2 \sin[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \sin[\beta]^2 + \\
 & 1.57697687183116 \times 10^{32} \sin[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \sin[\beta]^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 \sin[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \sin[\beta]^4) \#1^6 + \\
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \sin[\beta]^2 - \\
 & 8.3652614478999 \times 10^{24} m^4 \sin[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \sin[\beta]^2 - \\
 & 8.3652614478999 \times 10^{24} z^4 \sin[\beta]^2 - 4.86922301811856 \times 10^{14} \sin[\beta]^4 + \\
 & 4.18263072394993 \times 10^{24} m^4 \sin[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \sin[\beta]^4 + \\
 & 4.18263072394993 \times 10^{24} z^4 \sin[\beta]^4) \#1^8 \& , 1] \}, \\
 & \{v \rightarrow \text{Root}[2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 + 2.72907296190758 \times 10^{92} z^4 + \\
 & 2.04221749558564 \times 10^{82} \sin[\beta]^2 - 5.45814592381516 \times 10^{92} m^4 \sin[\beta]^2 - \\
 & 1.99435302303285 \times 10^{79} z^2 \sin[\beta]^2 + \\
 & 1.09162918476303 \times 10^{93} m^2 z^2 \sin[\beta]^2 - 5.45814592381516 \times 10^{92} z^4 \sin[\beta]^2 - \\
 & 4.08443499117128 \times 10^{82} \sin[\beta]^4 + 2.72907296190758 \times 10^{92} m^4 \sin[\beta]^4 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 \sin[\beta]^4 + 2.72907296190758 \times 10^{92} z^4 \sin[\beta]^4 + \\
 & (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 - \\
 & 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \sin[\beta]^2 + \\
 & 2.42920254723271 \times 10^{76} m^4 \sin[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \sin[\beta]^2 - \\
 & 4.85840509446541 \times 10^{76} m^2 z^2 \sin[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \sin[\beta]^2 + \\
 & 1.47573858559769 \times 10^{66} \sin[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \sin[\beta]^4 + \\
 & 2.42920254723271 \times 10^{76} m^2 z^2 \sin[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \sin[\beta]^4) \#1^2 + \\
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \sin[\beta]^2 - \\
 & 4.05427852551609 \times 10^{59} m^4 \sin[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \sin[\beta]^2 + \\
 & 8.1085570510322 \times 10^{59} m^2 z^2 \sin[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \sin[\beta]^2 - \\
 & 2.16033093991256 \times 10^{49} \sin[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \sin[\beta]^4 - \\
 & 4.05427852551609 \times 10^{59} m^2 z^2 \sin[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \sin[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & 1.57697687183116 \times 10^{32} \sin[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \sin[\beta]^2 - \\
 & 6.01465763822995 \times 10^{42} m^2 z^2 \sin[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \sin[\beta]^2 + \\
 & 1.57697687183116 \times 10^{32} \sin[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \sin[\beta]^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 \sin[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \sin[\beta]^4) \#1^6 +
 \end{aligned}$$

$$\begin{aligned}
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & \quad m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} m^4 \text{Sin}[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} z^4 \text{Sin}[\beta]^2 - 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} m^4 \text{Sin}[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} z^4 \text{Sin}[\beta]^4) \#1^8 \&, 2\}, \\
 \{v \rightarrow \text{Root}[ & 2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 + 2.72907296190758 \times 10^{92} z^4 + \\
 & 2.04221749558564 \times 10^{92} \text{Sin}[\beta]^2 - 5.45814592381516 \times 10^{92} m^4 \text{Sin}[\beta]^2 - \\
 & 1.99435302303285 \times 10^{79} z^2 \text{Sin}[\beta]^2 + \\
 & 1.09162918476303 \times 10^{93} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.45814592381516 \times 10^{92} z^4 \text{Sin}[\beta]^2 - \\
 & 4.08443499117128 \times 10^{92} \text{Sin}[\beta]^4 + 2.72907296190758 \times 10^{92} m^4 \text{Sin}[\beta]^4 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & 2.72907296190758 \times 10^{92} z^4 \text{Sin}[\beta]^4 + \\
 & (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & \quad 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 - \\
 & \quad 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \text{Sin}[\beta]^2 + \\
 & \quad 2.42920254723271 \times 10^{76} m^4 \text{Sin}[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \text{Sin}[\beta]^2 - \\
 & \quad 4.85840509446541 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.47573858559769 \times 10^{66} \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \text{Sin}[\beta]^4 + \\
 & \quad 2.42920254723271 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \text{Sin}[\beta]^4) \#1^2 + \\
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & \quad 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & \quad 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \text{Sin}[\beta]^2 - \\
 & \quad 4.05427852551609 \times 10^{59} m^4 \text{Sin}[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 8.1085570510322 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \text{Sin}[\beta]^2 - \\
 & \quad 2.16033093991256 \times 10^{49} \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \text{Sin}[\beta]^4 - \\
 & \quad 4.05427852551609 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \text{Sin}[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \text{Sin}[\beta]^2 - \\
 & \quad 6.01465763822995 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \text{Sin}[\beta]^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \text{Sin}[\beta]^4) \#1^6 + \\
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & \quad m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} m^4 \text{Sin}[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} z^4 \text{Sin}[\beta]^2 - 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} m^4 \text{Sin}[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} z^4 \text{Sin}[\beta]^4) \#1^8 \&, 3\}, \\
 \{v \rightarrow \text{Root}[ & 2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 -
 \end{aligned}$$

$$\begin{aligned}
 & 5.45814592381516 \times 10^{92} m^2 z^2 + 2.72907296190758 \times 10^{92} z^4 + \\
 & 2.04221749558564 \times 10^{82} \text{Sin}[\beta]^2 - \\
 & 5.45814592381516 \times 10^{92} m^4 \text{Sin}[\beta]^2 - \\
 & 1.99435302303285 \times 10^{79} z^2 \text{Sin}[\beta]^2 + \\
 & 1.09162918476303 \times 10^{93} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.45814592381516 \times 10^{92} z^4 \text{Sin}[\beta]^2 - \\
 & 4.08443499117128 \times 10^{82} \text{Sin}[\beta]^4 + 2.72907296190758 \times 10^{92} m^4 \text{Sin}[\beta]^4 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & 2.72907296190758 \times 10^{92} z^4 \text{Sin}[\beta]^4 + \\
 & (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & \quad 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 - \\
 & \quad 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \text{Sin}[\beta]^2 + \\
 & \quad 2.42920254723271 \times 10^{76} m^4 \text{Sin}[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \text{Sin}[\beta]^2 - \\
 & \quad 4.85840509446541 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.47573858559769 \times 10^{66} \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \text{Sin}[\beta]^4 + \\
 & \quad 2.42920254723271 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \text{Sin}[\beta]^4) \#1^2 + \\
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & \quad 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & \quad 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \text{Sin}[\beta]^2 - \\
 & \quad 4.05427852551609 \times 10^{59} m^4 \text{Sin}[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 8.1085570510322 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \text{Sin}[\beta]^2 - \\
 & \quad 2.16033093991256 \times 10^{49} \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \text{Sin}[\beta]^4 - \\
 & \quad 4.05427852551609 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \text{Sin}[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \text{Sin}[\beta]^2 - \\
 & \quad 6.01465763822995 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \text{Sin}[\beta]^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \text{Sin}[\beta]^4) \#1^6 + \\
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & \quad m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} m^4 \text{Sin}[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} z^4 \text{Sin}[\beta]^2 - 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} m^4 \text{Sin}[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} z^4 \text{Sin}[\beta]^4) \#1^8 \&, 4\}], \\
 & \{v \rightarrow \text{Root}[2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 - \\
 & \quad 5.45814592381516 \times 10^{92} m^2 z^2 + 2.72907296190758 \times 10^{92} z^4 + \\
 & \quad 2.04221749558564 \times 10^{82} \text{Sin}[\beta]^2 - \\
 & \quad 5.45814592381516 \times 10^{92} m^4 \text{Sin}[\beta]^2 - \\
 & \quad 1.99435302303285 \times 10^{79} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 1.09162918476303 \times 10^{93} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 5.45814592381516 \times 10^{92} z^4 \text{Sin}[\beta]^2 - \\
 & \quad 4.08443499117128 \times 10^{82} \text{Sin}[\beta]^4 +
 \end{aligned}$$



$$\begin{aligned}
 & 2.72907296190758 \times 10^{92} m^4 \text{Sin}[\beta]^4 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & 2.72907296190758 \times 10^{92} z^4 \text{Sin}[\beta]^4 + \\
 & (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & \quad 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 - \\
 & \quad 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \text{Sin}[\beta]^2 + \\
 & \quad 2.42920254723271 \times 10^{76} m^4 \text{Sin}[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \text{Sin}[\beta]^2 - \\
 & \quad 4.85840509446541 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.47573858559769 \times 10^{66} \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \text{Sin}[\beta]^4 + \\
 & \quad 2.42920254723271 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \text{Sin}[\beta]^4) \#1^2 + \\
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & \quad 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & \quad 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \text{Sin}[\beta]^2 - \\
 & \quad 4.05427852551609 \times 10^{59} m^4 \text{Sin}[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 8.1085570510322 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \text{Sin}[\beta]^2 - \\
 & \quad 2.16033093991256 \times 10^{49} \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \text{Sin}[\beta]^4 - \\
 & \quad 4.05427852551609 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \text{Sin}[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \text{Sin}[\beta]^2 - \\
 & \quad 6.01465763822995 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \text{Sin}[\beta]^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \text{Sin}[\beta]^4) \#1^6 + \\
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & \quad m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} m^4 \text{Sin}[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} z^4 \text{Sin}[\beta]^2 - 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} m^4 \text{Sin}[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} z^4 \text{Sin}[\beta]^4) \#1^8 \& , 5] \}, \\
 & \{v \rightarrow \text{Root}[2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 - \\
 & \quad 5.45814592381516 \times 10^{92} m^2 z^2 + 2.72907296190758 \times 10^{92} z^4 + \\
 & \quad 2.04221749558564 \times 10^{82} \text{Sin}[\beta]^2 - \\
 & \quad 5.45814592381516 \times 10^{92} m^4 \text{Sin}[\beta]^2 - \\
 & \quad 1.99435302303285 \times 10^{79} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 1.09162918476303 \times 10^{93} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 5.45814592381516 \times 10^{92} z^4 \text{Sin}[\beta]^2 - \\
 & \quad 4.08443499117128 \times 10^{82} \text{Sin}[\beta]^4 + \\
 & \quad 2.72907296190758 \times 10^{92} m^4 \text{Sin}[\beta]^4 - \\
 & \quad 5.45814592381516 \times 10^{92} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 2.72907296190758 \times 10^{92} z^4 \text{Sin}[\beta]^4 + \\
 & \quad (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & \quad \quad 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 -
 \end{aligned}$$

$$\begin{aligned}
 & 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \text{Sin}[\beta]^2 + \\
 & 2.42920254723271 \times 10^{76} m^4 \text{Sin}[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \text{Sin}[\beta]^2 - \\
 & 4.85840509446541 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \text{Sin}[\beta]^2 + \\
 & 1.47573858559769 \times 10^{66} \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \text{Sin}[\beta]^4 + \\
 & 2.42920254723271 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \text{Sin}[\beta]^4) \#1^2 + \\
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \text{Sin}[\beta]^2 - \\
 & 4.05427852551609 \times 10^{59} m^4 \text{Sin}[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \text{Sin}[\beta]^2 + \\
 & 8.1085570510322 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \text{Sin}[\beta]^2 - \\
 & 2.16033093991256 \times 10^{49} \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \text{Sin}[\beta]^4 - \\
 & 4.05427852551609 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \text{Sin}[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \text{Sin}[\beta]^2 - \\
 & 6.01465763822995 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \text{Sin}[\beta]^2 + \\
 & 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \text{Sin}[\beta]^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \text{Sin}[\beta]^4) \#1^6 + \\
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^2 - \\
 & 8.3652614478999 \times 10^{24} m^4 \text{Sin}[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & 8.3652614478999 \times 10^{24} z^4 \text{Sin}[\beta]^2 - 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^4 + \\
 & 4.18263072394993 \times 10^{24} m^4 \text{Sin}[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & 4.18263072394993 \times 10^{24} z^4 \text{Sin}[\beta]^4) \#1^8 \& , 6 \} , \\
 & \{v \rightarrow \text{Root}[2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 + 2.72907296190758 \times 10^{92} z^4 + \\
 & 2.04221749558564 \times 10^{82} \text{Sin}[\beta]^2 - \\
 & 5.45814592381516 \times 10^{92} m^4 \text{Sin}[\beta]^2 - \\
 & 1.99435302303285 \times 10^{79} z^2 \text{Sin}[\beta]^2 + \\
 & 1.09162918476303 \times 10^{93} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.45814592381516 \times 10^{92} z^4 \text{Sin}[\beta]^2 - \\
 & 4.08443499117128 \times 10^{82} \text{Sin}[\beta]^4 + \\
 & 2.72907296190758 \times 10^{92} m^4 \text{Sin}[\beta]^4 - \\
 & 5.45814592381516 \times 10^{92} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & 2.72907296190758 \times 10^{92} z^4 \text{Sin}[\beta]^4 + \\
 & (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 - \\
 & 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \text{Sin}[\beta]^2 + \\
 & 2.42920254723271 \times 10^{76} m^4 \text{Sin}[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \text{Sin}[\beta]^2 - \\
 & 4.85840509446541 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \text{Sin}[\beta]^2 + \\
 & 1.47573858559769 \times 10^{66} \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \text{Sin}[\beta]^4 + \\
 & 2.42920254723271 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \text{Sin}[\beta]^4) \#1^2 +
 \end{aligned}$$

$$\begin{aligned}
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & \quad 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & \quad 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \text{Sin}[\beta]^2 - \\
 & \quad 4.05427852551609 \times 10^{59} m^4 \text{Sin}[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 8.1085570510322 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \text{Sin}[\beta]^2 - \\
 & \quad 2.16033093991256 \times 10^{49} \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \text{Sin}[\beta]^4 - \\
 & \quad 4.05427852551609 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \text{Sin}[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \text{Sin}[\beta]^2 - \\
 & \quad 6.01465763822995 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \text{Sin}[\beta]^4 + \\
 & \quad 3.00732881911498 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \text{Sin}[\beta]^4) \#1^6 + \\
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & \quad m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} m^4 \text{Sin}[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 8.3652614478999 \times 10^{24} z^4 \text{Sin}[\beta]^2 - 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} m^4 \text{Sin}[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 4.18263072394993 \times 10^{24} z^4 \text{Sin}[\beta]^4) \#1^8 \& , 7 \} , \\
 & \{v \rightarrow \text{Root} [2.72907296190758 \times 10^{92} m^4 + 1.99435302303285 \times 10^{79} z^2 - \\
 & \quad 5.45814592381516 \times 10^{92} m^2 z^2 + 2.72907296190758 \times 10^{92} z^4 + \\
 & \quad 2.04221749558564 \times 10^{82} \text{Sin}[\beta]^2 - \\
 & \quad 5.45814592381516 \times 10^{92} m^4 \text{Sin}[\beta]^2 - \\
 & \quad 1.99435302303285 \times 10^{79} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 1.09162918476303 \times 10^{93} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 5.45814592381516 \times 10^{92} z^4 \text{Sin}[\beta]^2 - \\
 & \quad 4.08443499117128 \times 10^{82} \text{Sin}[\beta]^4 + \\
 & \quad 2.72907296190758 \times 10^{92} m^4 \text{Sin}[\beta]^4 - \\
 & \quad 5.45814592381516 \times 10^{92} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 2.72907296190758 \times 10^{92} z^4 \text{Sin}[\beta]^4 + \\
 & \quad (1.41707305305719 \times 10^{65} - 1.21460127361635 \times 10^{76} m^4 - \\
 & \quad \quad 4.43803400573641 \times 10^{62} z^2 + 2.42920254723271 \times 10^{76} m^2 z^2 - \\
 & \quad \quad 1.21460127361635 \times 10^{76} z^4 - 1.02128390341028 \times 10^{66} \text{Sin}[\beta]^2 + \\
 & \quad \quad 2.42920254723271 \times 10^{76} m^4 \text{Sin}[\beta]^2 + 4.43803400573641 \times 10^{62} z^2 \text{Sin}[\beta]^2 - \\
 & \quad \quad 4.85840509446541 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^2 + 2.42920254723271 \times 10^{76} z^4 \text{Sin}[\beta]^2 + \\
 & \quad \quad 1.47573858559769 \times 10^{66} \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} m^4 \text{Sin}[\beta]^4 + \\
 & \quad \quad 2.42920254723271 \times 10^{76} m^2 z^2 \text{Sin}[\beta]^4 - 1.21460127361635 \times 10^{76} z^4 \text{Sin}[\beta]^4) \#1^2 + \\
 & (-4.13670478075728 \times 10^{48} + 2.02713926275805 \times 10^{59} m^4 + \\
 & \quad 2.46898939262524 \times 10^{45} z^2 - 4.05427852551609 \times 10^{59} m^2 z^2 + \\
 & \quad 2.02713926275805 \times 10^{59} z^4 + 1.90750642610774 \times 10^{49} \text{Sin}[\beta]^2 - \\
 & \quad 4.05427852551609 \times 10^{59} m^4 \text{Sin}[\beta]^2 - 2.46898939262524 \times 10^{45} z^2 \text{Sin}[\beta]^2 + \\
 & \quad 8.1085570510322 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^2 - 4.05427852551609 \times 10^{59} z^4 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
 & 2.16033093991256 \times 10^{49} \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} m^4 \text{Sin}[\beta]^4 - \\
 & 4.05427852551609 \times 10^{59} m^2 z^2 \text{Sin}[\beta]^4 + 2.02713926275805 \times 10^{59} z^4 \text{Sin}[\beta]^4) \#1^4 + \\
 & (3.94244217957789 \times 10^{31} - 1.50366440955749 \times 10^{42} m^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 - 1.50366440955749 \times 10^{42} z^4 - \\
 & 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} m^4 \text{Sin}[\beta]^2 - \\
 & 6.01465763822995 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^2 + 3.00732881911498 \times 10^{42} z^4 \text{Sin}[\beta]^2 + \\
 & 1.57697687183116 \times 10^{32} \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} m^4 \text{Sin}[\beta]^4 + \\
 & 3.00732881911498 \times 10^{42} m^2 z^2 \text{Sin}[\beta]^4 - 1.50366440955749 \times 10^{42} z^4 \text{Sin}[\beta]^4) \#1^6 + \\
 & (-1.21730575452964 \times 10^{14} + 4.18263072394993 \times 10^{24} m^4 - 8.3652614478999 \times 10^{24} \\
 & m^2 z^2 + 4.18263072394993 \times 10^{24} z^4 + 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^2 - \\
 & 8.3652614478999 \times 10^{24} m^4 \text{Sin}[\beta]^2 + 1.67305228957997 \times 10^{25} m^2 z^2 \text{Sin}[\beta]^2 - \\
 & 8.3652614478999 \times 10^{24} z^4 \text{Sin}[\beta]^2 - 4.86922301811856 \times 10^{14} \text{Sin}[\beta]^4 + \\
 & 4.18263072394993 \times 10^{24} m^4 \text{Sin}[\beta]^4 - 8.3652614478999 \times 10^{24} m^2 z^2 \text{Sin}[\beta]^4 + \\
 & 4.18263072394993 \times 10^{24} z^4 \text{Sin}[\beta]^4) \#1^8 \& , 8] \}}
 \end{aligned}$$

$$\begin{aligned}
 \text{In[1]} = & \text{Solve} \left[ m == 0.5 \sqrt{\left( - \left( \left( 8. \left( 4.493775893684088 \cdot \text{Sin}[\beta]^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^4 + \right. \right. \right. \right. \right. \\
 & 4.493775893684088 \cdot \text{Sin}[\beta]^2 - 0.5 \cdot q^2 v^2 + 1. \cdot q s v^2 - 0.5 \cdot s^2 v^2 - \\
 & 4.493775893684088 \cdot z^2 + 0.5 \cdot v^2 z^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^2 + 1.7975103574736352 \cdot \text{Sin}[\beta]^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^4 \\
 & s^2 \text{Sin}[\beta]^2 + 1. \cdot q^2 v^2 \text{Sin}[\beta]^2 - 2. \cdot q s v^2 \text{Sin}[\beta]^2 + 1. \cdot s^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.493775893684088 \cdot z^2 \text{Sin}[\beta]^2 - 0.5 \cdot v^2 z^2 \text{Sin}[\beta]^2 \left. \right) \left. \right) \left. \right) \left. \right) / \\
 & \left( 8.987551787368176 \cdot \text{Sin}[\beta]^2 - 1. \cdot v^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^2 + \right. \\
 & \left. v^2 \text{Sin}[\beta]^2 \right) + \\
 & 2. \sqrt{\left( \left( 16. \left( 4.493775893684088 \cdot \text{Sin}[\beta]^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^4 + \right. \right. \right. \right. \right. \\
 & 4.493775893684088 \cdot \text{Sin}[\beta]^2 - 0.5 \cdot q^2 v^2 + 1. \cdot q s v^2 - \\
 & 0.5 \cdot s^2 v^2 - 4.493775893684088 \cdot z^2 + 0.5 \cdot v^2 z^2 - \\
 & 8.987551787368176 \cdot \text{Sin}[\beta]^2 + 1.7975103574736352 \cdot \text{Sin}[\beta]^2 + \\
 & q s \text{Sin}[\beta]^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^4 + \\
 & 1. \cdot q^2 v^2 \text{Sin}[\beta]^2 - 2. \cdot q s v^2 \text{Sin}[\beta]^2 + 1. \cdot s^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.493775893684088 \cdot z^2 \text{Sin}[\beta]^2 - 0.5 \cdot v^2 z^2 \text{Sin}[\beta]^2 \left. \right) \left. \right) \left. \right) \left. \right) / \\
 & \left( 8.987551787368176 \cdot \text{Sin}[\beta]^2 - 1. \cdot v^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^2 + \right. \\
 & \left. \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^2 - \\
 & \left( 16. \left( 2.0194021782656225 \cdot \text{Sin}[\beta]^3 q^4 - 8.07760871306249 \cdot \text{Sin}[\beta]^3 q^3 \right. \right. \\
 & s + 1.2116413069593733 \cdot \text{Sin}[\beta]^4 q^2 s^2 - 8.07760871306249 \cdot \text{Sin}[\beta]^3 q \\
 & s^3 + 2.0194021782656225 \cdot \text{Sin}[\beta]^3 s^4 - 4.493775893684088 \cdot \text{Sin}[\beta]^4 q^4 \\
 & v^2 + 1.7975103574736352 \cdot \text{Sin}[\beta]^3 q^3 s v^2 - 2.6962655362104528 \cdot \text{Sin}[\beta]^3 q^2 \\
 & s^2 v^2 + 1.7975103574736352 \cdot \text{Sin}[\beta]^3 q s^3 v^2 - 4.493775893684088 \cdot \text{Sin}[\beta]^4 \\
 & s^4 v^2 + 0.25 \cdot q^4 v^4 - 1. \cdot q^3 s v^4 + 1.5 \cdot q^2 s^2 v^4 - 1. \cdot q s^3 v^4 + 0.25 \cdot s^4 \\
 & v^4 - 4.038804356531245 \cdot \text{Sin}[\beta]^3 q^2 z^2 + 8.07760871306249 \cdot \text{Sin}[\beta]^3 q s \\
 & z^2 - 4.038804356531245 \cdot \text{Sin}[\beta]^3 s^2 z^2 + 8.987551787368176 \cdot \text{Sin}[\beta]^4 q^2 v^2 \\
 & z^2 - 1.7975103574736352 \cdot \text{Sin}[\beta]^3 q s v^2 z^2 + 8.987551787368176 \cdot \text{Sin}[\beta]^4 s^2 v^2
 \end{aligned}$$

$$\begin{aligned}
 & z^2 - 0.5 \cdot q^2 v^4 z^2 + 1. \cdot q s v^4 z^2 - 0.5 \cdot s^2 v^4 z^2 + 2.0194021782656225 \cdot \text{Sin}[\beta]^{33} \\
 & z^4 - 4.493775893684088 \cdot \text{Sin}[\beta]^{16} v^2 z^4 + 0.25 \cdot v^4 z^4 - 8.07760871306249 \cdot \text{Sin}[\beta]^{33} \\
 & q^4 \text{Sin}[\beta]^2 + 3.231043485224996 \cdot \text{Sin}[\beta]^{34} q^3 s \text{Sin}[\beta]^2 - \\
 & 4.846565227837493 \cdot \text{Sin}[\beta]^{34} q^2 s^2 \text{Sin}[\beta]^2 + 3.231043485224996 \cdot \text{Sin}[\beta]^{34} q s^3 \\
 & \text{Sin}[\beta]^2 - 8.07760871306249 \cdot \text{Sin}[\beta]^{33} s^4 \text{Sin}[\beta]^2 + 1.7975103574736352 \cdot \text{Sin}[\beta]^{17} \\
 & q^4 v^2 \text{Sin}[\beta]^2 - 7.190041429894541 \cdot \text{Sin}[\beta]^{17} q^3 s v^2 \text{Sin}[\beta]^2 + \\
 & 1.0785062144841811 \cdot \text{Sin}[\beta]^{18} q^2 s^2 v^2 \text{Sin}[\beta]^2 - 7.190041429894541 \cdot \text{Sin}[\beta]^{17} \\
 & q s^3 v^2 \text{Sin}[\beta]^2 + 1.7975103574736352 \cdot \text{Sin}[\beta]^{17} s^4 v^2 \text{Sin}[\beta]^2 - 1. \cdot q^4 \\
 & v^4 \text{Sin}[\beta]^2 + 4. \cdot q^3 s v^4 \text{Sin}[\beta]^2 - 6. \cdot q^2 s^2 v^4 \text{Sin}[\beta]^2 + 4. \cdot q s^3 v^4 \\
 & \text{Sin}[\beta]^2 - 1. \cdot s^4 v^4 \text{Sin}[\beta]^2 + 4.038804356531245 \cdot \text{Sin}[\beta]^{33} q^2 z^2 \text{Sin}[\beta]^2 - \\
 & 8.07760871306249 \cdot \text{Sin}[\beta]^{33} q s z^2 \text{Sin}[\beta]^2 + 4.038804356531245 \cdot \text{Sin}[\beta]^{33} \\
 & s^2 z^2 \text{Sin}[\beta]^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^{16} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.7975103574736352 \cdot \text{Sin}[\beta]^{17} q s v^2 z^2 \text{Sin}[\beta]^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^{16} s^2 \\
 & v^2 z^2 \text{Sin}[\beta]^2 + 0.5 \cdot q^2 v^4 z^2 \text{Sin}[\beta]^2 - 1. \cdot q s v^4 z^2 \text{Sin}[\beta]^2 + 0.5 \cdot s^2 v^4 z^2 \\
 & \text{Sin}[\beta]^2 - 4.038804356531245 \cdot \text{Sin}[\beta]^{33} z^4 \text{Sin}[\beta]^2 + 8.987551787368176 \cdot \text{Sin}[\beta]^{16} \\
 & v^2 z^4 \text{Sin}[\beta]^2 - 0.5 \cdot v^4 z^4 \text{Sin}[\beta]^2 + 8.07760871306249 \cdot \text{Sin}[\beta]^{33} q^4 \text{Sin}[\beta]^4 - \\
 & 3.231043485224996 \cdot \text{Sin}[\beta]^{34} q^3 s \text{Sin}[\beta]^4 + 4.846565227837493 \cdot \text{Sin}[\beta]^{34} \\
 & q^2 s^2 \text{Sin}[\beta]^4 - 3.231043485224996 \cdot \text{Sin}[\beta]^{34} q s^3 \text{Sin}[\beta]^4 + \\
 & 8.07760871306249 \cdot \text{Sin}[\beta]^{33} s^4 \text{Sin}[\beta]^4 - 1.7975103574736352 \cdot \text{Sin}[\beta]^{17} \\
 & q^4 v^2 \text{Sin}[\beta]^4 + 7.190041429894541 \cdot \text{Sin}[\beta]^{17} q^3 s v^2 \text{Sin}[\beta]^4 - \\
 & 1.0785062144841811 \cdot \text{Sin}[\beta]^{18} q^2 s^2 v^2 \text{Sin}[\beta]^4 + 7.190041429894541 \cdot \text{Sin}[\beta]^{17} \\
 & q s^3 v^2 \text{Sin}[\beta]^4 - 1.7975103574736352 \cdot \text{Sin}[\beta]^{17} s^4 v^2 \text{Sin}[\beta]^4 + 1. \cdot q^4 \\
 & v^4 \text{Sin}[\beta]^4 - 4. \cdot q^3 s v^4 \text{Sin}[\beta]^4 + 6. \cdot q^2 s^2 v^4 \text{Sin}[\beta]^4 - 4. \cdot q s^3 v^4 \\
 & \text{Sin}[\beta]^4 + 1. \cdot s^4 v^4 \text{Sin}[\beta]^4 + 2.0194021782656225 \cdot \text{Sin}[\beta]^{33} z^4 \text{Sin}[\beta]^4 - \\
 & 4.493775893684088 \cdot \text{Sin}[\beta]^{16} v^2 z^4 \text{Sin}[\beta]^4 + 0.25 \cdot v^4 z^4 \text{Sin}[\beta]^4) / \\
 & (8.987551787368176 \cdot \text{Sin}[\beta]^{16} - 1. \cdot v^2 - 8.987551787368176 \cdot \text{Sin}[\beta]^{16} \\
 & \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^2), s]
 \end{aligned}$$

$$\begin{aligned}
 \text{Out}[*]= & \left\{ \left\{ s \rightarrow - \frac{0.25 q \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right)}{2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4} - \right. \right. \\
 & 0.5 \sqrt{\left( \frac{0.25 q^2 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right)^2}{\left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right)^2} - \right. \\
 & \left. \left( 0.666667 \left( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \right. \right. \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \right. \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \\
 & \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
 & 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
 & 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
 & \left. \left. 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} \right) \right\}
 \end{aligned}$$

$$\begin{aligned}
 & v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} \\
 & q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + \\
 & 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
 & 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
 & 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
 & 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
 & 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
 & 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
 & 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 \\
 & v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \right) + \\
 & \left( 0.419974 \left( -3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \right. \\
 & \left. \left. (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \right) \right)
 \end{aligned}$$

$$\begin{aligned}
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
& \quad q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& \quad 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& \quad 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& \quad 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 \\
& \quad v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& \quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 \\
& \quad z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& \quad 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& \quad 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} \\
& \quad q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& \quad 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& \quad v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& \quad 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& \quad 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} \\
& \quad q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& \quad 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} \\
& \quad v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& \quad 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& \quad 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& \quad 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} \\
& \quad q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& \quad 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& \quad 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& \quad 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& \quad 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& \quad 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& \quad 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} \\
& \quad v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& \quad 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& \quad 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + \\
& \quad 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& \quad 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& \quad 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} \\
& \quad v^4 z^2 \text{Sin}[\beta]^{12} + 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) +
\end{aligned}$$

$$\begin{aligned}
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} \\
 & \quad q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & \quad 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & \quad 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 \\
 & \quad v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & \quad 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & \quad 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 \\
 & \quad z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
 & \quad 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} \\
 & \quad m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & \quad 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & \quad 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & \quad 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} \\
 & \quad v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} \\
 & \quad q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & \quad 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & \quad 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & \quad 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 \\
 & \quad z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
 & \quad 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} \\
 & \quad m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & \quad 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & \quad 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} \\
 & \quad q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
 & \quad 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} \\
 & \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & \quad 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & \quad 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & \quad 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & \quad 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & \quad 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & \quad 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
 & \quad v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
 & \quad 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & \quad 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
 & \quad 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & \quad 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & \quad 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35}
 \end{aligned}$$



$$\begin{aligned}
& v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^2 + \\
12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big/ \\
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 (8.98755 \times 10^{16} - 1. \\
 & v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} \\
 & v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \\
 & \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
 & 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
 & v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \\
 & \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} \\
 & \quad v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \\
 & \quad \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} \\
 & \quad v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \\
 & \quad \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & \quad 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & \quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & \quad 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2.
\end{aligned}$$

$$\begin{aligned}
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
 & 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 +
 \end{aligned}$$



$$\begin{aligned}
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} + \sqrt{\left(-4. \right. \\
 & \left. (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \left. (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \right. \\
 & \left. \sin[\beta]^4) (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \right. \\
 & 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
 & 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
 & 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
 & 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + \\
 & 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
 & 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
 & 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \\
 & 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
 & 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
 & 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
 & 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
 & 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
 & 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
 & 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
 & 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
 & 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
 & 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
 & 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
 & 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
 & 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} -
 \end{aligned}$$

$$\begin{aligned}
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - \\
& 34. v^8 z^2 \sin[\beta]^{12}) + (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
& 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \\
 & \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
 & 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
 & m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
 & 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} \\
 & m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} \\
 & m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} \\
 & q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2
 \end{aligned}$$



$$\begin{aligned}
& \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
 & 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + \\
 & 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \\
 & \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
 & z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
 & q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
 & 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \\
 & \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 \\
 & v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 \\
 & v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} \\
 & q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} \\
 & m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 \\
 & v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times \\
 & 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
 & \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
 & \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \\
 & \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 \\
 & v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 \\
 & q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
 & m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} \\
 & m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \\
 & \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} \\
 & q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 \\
 & v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
 & v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 & (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4)
 \end{aligned}$$

$$\begin{aligned}
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
& v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + \\
& 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - \\
& 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - \\
& 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \\
& \text{Sin}[\beta]^4)^2 (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 -
\end{aligned}$$



$$\begin{aligned}
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & \quad v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & \quad 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & \quad 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & \quad 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & \quad 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & \quad 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & \quad 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & \quad 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & \quad 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & \quad 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & \quad 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & \quad 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & \quad 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & \quad 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & \quad 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & \quad 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & \quad 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & \quad 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & \quad 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & \quad 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & \quad 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & \quad 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & \quad 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & \quad 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 +
 \end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} )^{1/3} ) + \\
 & (0.264567 (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2
\end{aligned}$$

$$\begin{aligned}
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 +
\end{aligned}$$



$$\begin{aligned}
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
 & \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right.\right.\right.
 \end{aligned}$$



$$\begin{aligned}
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 17. v^8 z^2 \sin[\beta]^{12})^2 + 12. (8.98755 \times 10^{16} - 1. v^2 - \\
& 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (2.04908 \times 10^{16} - \\
& 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} \\
& q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} \\
& q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
& z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \\
& \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 \\
& v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 \\
& q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \\
& \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} \\
& q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 \\
& v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} \\
& v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
(-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + \\
3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \\
5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - \\
& 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - \\
& 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 -
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$



$$\begin{aligned}
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \\
 & \text{Sin}[\beta]^4)^2 (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
 & 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
 & q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
 & m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
 & v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & v^4 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 -
\end{aligned}$$

$$\begin{aligned}
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
 & q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
 & m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
 & v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^{1/3} \Big) / \\
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - 1. v^2 - \right. \\
 & \left. 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \Big) - \\
 & 0.5 \sqrt{\left( \frac{0.5 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4)^2} \right.} \\
 & \left. (1.33333 \right. \\
 & (2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - \\
 & 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + \\
 & 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - \\
 & 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 -
 \end{aligned}$$



$$\begin{aligned}
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
 & 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. v^8 z^2 \text{Sin}[\beta]^{12} ) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - \right.
 \end{aligned}$$

$$\begin{aligned}
& 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) - \\
(0.419974 & (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + \\
& 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^2 + \\
 & 12. (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
 & 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 +
\end{aligned}$$



$$\begin{aligned}
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 (8.98755 \times 10^{16} - 1. \\
 & v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 +
 \end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
( & 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2. \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 +
 \end{aligned}$$

$$\begin{aligned}
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 +
\end{aligned}$$



$$\begin{aligned}
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 +
\end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} +
\end{aligned}$$



$$\begin{aligned}
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
 & 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - \\
 & 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
 & 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + \\
& 17. v^8 z^2 \sin[\beta]^{12})^2 + 12. (8.98755 \times 10^{16} - 1. v^2 - \\
& 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (2.04908 \times 10^{16} - \\
& 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)
\end{aligned}$$

$$\begin{aligned}
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} \\
& q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 -
\end{aligned}$$



$$\begin{aligned}
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
& z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
 & \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
 & \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \\
 & \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 \\
 & v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 \\
 & q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
 & m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} \\
 & m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \\
 & \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} \\
 & q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 \\
 & v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} \\
 & v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
 & (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
 & v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
 & 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
 & 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + \\
 & 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
 & 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
 & 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \\
 & 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
 & 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - \\
& 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - \\
& 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 -
 \end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} +
 \end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \\
& \text{Sin}[\beta]^4)^2 (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
 & 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} +
 \end{aligned}$$



$$\begin{aligned}
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16}
 \end{aligned}$$

$$\begin{aligned}
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^2 \Big)^{1/3} \Big) - \\
& \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \right. \right. \\
& \left. \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \\
& \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
& \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right. \\
& \left. \left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \\
& \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
& \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right. \right. \\
& \left. \left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right. \right. \\
& \left. \left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right. \right. \\
& \left. \left. 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \right. \right. \\
& \left. \left. 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \right. \right. \\
& \left. \left. 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \right. \right. \\
& \left. \left. 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \right. \right. \\
& \left. \left. 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \right. \right. \\
& \left. \left. 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \right. \right. \\
\end{aligned}$$

$$\begin{aligned}
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 -
\end{aligned}$$



$$\begin{aligned}
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
 & \quad v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & \quad 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & \quad 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & \quad 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & \quad 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & \quad 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & \quad 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & \quad 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & \quad 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & \quad 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & \quad 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} + \\
 & \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \right. \\
 & \quad \left. \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \right. \right. \right. \\
 & \quad \left. \left. \left. 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \right. \right. \right. \\
 \end{aligned}$$



$$\begin{aligned}
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
 & 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
 & 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
 & 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. (8.98755 \times 10^{16} - 1. v^2 - \\
 & 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} \\
 & q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
 & q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
 & m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
& z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
& v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \\
& \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
& q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
& z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
(-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + \\
3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \\
5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + \\
2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
 & 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
 & 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
 & 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
 & 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
 & 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
 & 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + \\
 & 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
 & 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
 & 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
 & 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
 & 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
 & 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
 & 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
 & 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - \\
 & 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - \\
 & 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 +
 \end{aligned}$$



$$\begin{aligned}
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \\
& \sin[\beta]^4)^2 (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & \quad v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} ) - \\
 72. & ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \\
 & ( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 ) \\
 & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
 & \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \quad \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & \quad m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} )^2 )^{1/3} ) /
 \end{aligned}$$

$$\left( \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - 1. v^2 - \right. \right.$$

$$\begin{aligned}
 & 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4) - \\
 & \left( 0.25 \left( - \frac{1. q^3 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^3}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4)^3} - \right. \right. \\
 & (8. q (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \\
 & 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
 & 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 & 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
 & 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
 & 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + \\
 & 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
 & 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
 & 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
 & 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
 & 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
 & 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
 & 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
 & 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} -
 \end{aligned}$$



$$\begin{aligned}
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \Big) / \\
& \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
& \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \right) + \\
& (4. q (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) ) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4)^2 \right) ) / \\
 & \left( \sqrt{ \left( \frac{0.25 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4)^2} - \right. \right. \\
 & \left. \left. (0.666667 (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \right. \right. \\
 & \quad 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
 & \quad 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & \quad 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & \quad 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & \quad 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & \quad \left. \left. 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \Big) /
\end{aligned}$$

$$\begin{aligned}
& \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
& \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \\
& \left. 8.19632 \times 10^{16} \sin[\beta]^4) \right) + (0.419974 \\
& (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
 & 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - \right. \\
 & \quad \left. 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \\
 & \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \right. \\
 & \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \\
 & \quad \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right.
 \end{aligned}$$



$$\begin{aligned}
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} -
 \end{aligned}$$

$$\begin{aligned}
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + \\
2. & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} +
 \end{aligned}$$



$$\begin{aligned}
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} + \\
 & \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \right. \right. \\
 & \quad \left. \left. \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right. \right. \\
 & \quad 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
 & \quad q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times \\
 & \quad 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & \quad 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
 & \quad v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
 & \quad 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
 & \quad \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
 & \quad m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times \\
 & \quad 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \\
 & \quad \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} \\
 & \quad m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69}
 \end{aligned}$$

$$\begin{aligned}
& m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times \\
& 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \\
& \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times \\
& 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \\
& \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \\
& \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} \\
& q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times \\
& 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \\
& \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} \\
& z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times \\
& 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
& \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
 & \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
 & v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
 & \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
 & q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
 & 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
 & m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
 & \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \\
 & \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} \\
 & m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} \\
 & m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
 & v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
 & \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
 & m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
 & \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
 & m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
 & \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
 & m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51}
 \end{aligned}$$

$$\begin{aligned}
& q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} \\
& m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 - \\
& \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times \\
& 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} \\
& v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} \\
& m^2 q^2 \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84}
\end{aligned}$$



$$\begin{aligned}
& m^2 z^2 \operatorname{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \operatorname{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \operatorname{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& q^2 v^2 z^2 \operatorname{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \operatorname{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \operatorname{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \operatorname{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \operatorname{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \operatorname{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \operatorname{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \operatorname{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \operatorname{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \operatorname{Sin}[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \operatorname{Sin}[\beta]^2 + \\
v^2 \operatorname{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^2 + \\
8.19632 \times 10^{16} \operatorname{Sin}[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
3.74354 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 - \\
1.6661 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
\operatorname{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^2 + 3.17792 \times \\
10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^2 - \\
2.35728 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 + 5.73742 \times 10^{17} \\
m^2 v^8 \operatorname{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 - \\
2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
\operatorname{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
v^6 z^2 \operatorname{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 - \\
1.06958 \times 10^{86} m^2 \operatorname{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 + \\
4.76029 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
\operatorname{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
q^2 v^4 \operatorname{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^4 + \\
7.66115 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
m^2 v^8 \operatorname{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 + \\
5.34792 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
\operatorname{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
v^6 z^2 \operatorname{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 + \\
1.60437 \times 10^{86} m^2 \operatorname{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 - \\
7.14043 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 - 1.04726 \times 10^{70} \\
q^2 v^2 \operatorname{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \operatorname{Sin}[\beta]^6 + \\
1.74786 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
\operatorname{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^6 + 2.4589 \times 10^{18} \\
m^2 v^8 \operatorname{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times \\
& 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \\
& \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times \\
& 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - \\
& 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \\
& \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
& 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
& q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} \\
& m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
& v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times
\end{aligned}$$

$$\begin{aligned}
& 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \\
& \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \\
& \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times \\
& 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \\
& \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53}
\end{aligned}$$

$$\begin{aligned}
& v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
(2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 \\
& v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times \\
& 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
& v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times
\end{aligned}$$

$$\begin{aligned}
& 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \operatorname{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \operatorname{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \operatorname{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \operatorname{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \operatorname{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \operatorname{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \operatorname{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \operatorname{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \operatorname{Sin}[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \operatorname{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \operatorname{Sin}[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \operatorname{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \operatorname{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \operatorname{Sin}[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \operatorname{Sin}[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \operatorname{Sin}[\beta]^{12} + 17. v^8 \\
& z^2 \operatorname{Sin}[\beta]^{12} + 2. (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
& 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} \\
& m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \operatorname{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \operatorname{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \operatorname{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \operatorname{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \operatorname{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \operatorname{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \operatorname{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \operatorname{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \operatorname{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \operatorname{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \operatorname{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \operatorname{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \\
& \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} \\
& v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 \\
& v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times \\
& 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \\
& \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 q^2 v^8 \text{Sin}[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \\
& \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times \\
& 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \\
& \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \\
& \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times \\
& 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \\
& \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} \\
& q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 \\
& z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} \\
& v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times \\
& 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \\
& \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times \\
& 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \\
& \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \\
& \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$



$$\begin{aligned}
& 8.02187 \times 10^{84} z^4 \operatorname{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \operatorname{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \operatorname{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \operatorname{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \operatorname{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \operatorname{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \operatorname{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \operatorname{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \operatorname{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \operatorname{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \operatorname{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
& \operatorname{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \operatorname{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
& q^4 v^4 \operatorname{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \operatorname{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \operatorname{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
& \operatorname{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \operatorname{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 q^2 v^8 \operatorname{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \operatorname{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \operatorname{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
& \operatorname{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \operatorname{Sin}[\beta]^{12} - 5.68665 \times \\
& 10^{52} q^2 v^2 z^2 \operatorname{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \operatorname{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \operatorname{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \operatorname{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \operatorname{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \operatorname{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \operatorname{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \operatorname{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \operatorname{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \operatorname{Sin}[\beta]^{12}) - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \operatorname{Sin}[\beta]^2 + \\
& v^2 \operatorname{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^4) (2.67396 \times 10^{84} m^2 + \\
& 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} \\
& q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} \\
& m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
& v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \operatorname{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \operatorname{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 - 2.86871 \times \\
& 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \operatorname{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \operatorname{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \operatorname{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \operatorname{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 \\
& z^2 \sin[\beta]^{12}) (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \\
& \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} \\
& v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4
\end{aligned}$$

$$\begin{aligned}
& v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times \\
& 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \\
& \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \\
& \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times \\
& 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \\
& \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \\
& \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times \\
& 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \\
& \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - 1.33698 \times 10^{85} \\
& q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} \\
& m^2 v^6 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 \\
& z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} \\
& v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times \\
& 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \\
& \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times \\
& 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \\
& \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2
\end{aligned}$$

$$\begin{aligned}
 & \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} \\
 & m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
 & \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
 & v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
 & \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
 & m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
 & \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
 & q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
 & \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times \\
 & 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^{1/3} \Big)^2 \Big)^{1/3} \Big)^2 + \\
 & \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \left. \left. \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - \right. \right. \right. \\
 & \left. \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \right. \\
 & \left. \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \right. \\
 & \left. \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right. \right. \\
 & \left. \left. \left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \right. \\
 & \left. \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \right. \\
 & \left. \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \right. \\
 & \left. \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \left. \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \left. \left. \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \left. \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \left. \left. \left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \left. \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \left. \left. \left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \left. \left. \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \left. \left. \left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \left. \left. \left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 \end{aligned}$$

$$\begin{aligned}
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}
\end{aligned}$$

$$\begin{aligned}
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$



$$\begin{aligned}
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
 & 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
 & 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} + \\
 & \sqrt{\left( -4. \left( -3. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. v^2 \sin[\beta]^2 \right)^4 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 \right) \left( -5.34792 \times 10^{84} m^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \right. \right. \right. \\
 & \quad \left. \left. \left. q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times \right. \right. \right. \\
 & \quad \left. \left. \left. 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \right. \right. \right. \\
 & \quad \left. \left. \left. v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} \right. \right. \right. \\
 & \quad \left. \left. \left. m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 \right. \right. \right. \\
 & \quad \left. \left. \left. z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} \right. \right. \right. \\
 & \quad \left. \left. \left. v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \right. \right. \right. \\
 & \quad \left. \left. \left. q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} \right. \right. \right. \\
 & \quad \left. \left. \left. z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} \right. \right. \right. \\
 & \quad \left. \left. \left. m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} \right. \right. \right. \\
 & \quad \left. \left. \left. m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} \right. \right. \right. \\
 & \quad \left. \left. \left. q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \right. \right. \right. \\
 & \quad \left. \left. \left. \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} \right. \right. \right. \\
 \end{aligned}$$



$$\begin{aligned}
& v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
& \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \\
& \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} \\
& m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} \\
& m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \\
& \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \\
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \\
 & \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} \\
 & m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times \\
 & 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \\
 & \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
 & m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \\
 & \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} \\
 & m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
 & m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
 & q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \\
 & \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} \\
 & v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \\
 & \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} \\
 & m^2 q^2 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} \\
 & m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
 & \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & m^4 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} \\
 & m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
 & m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 & \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \\
 & \left. \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \\
 & \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \left( -5.34792 \times 10^{84} m^2 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
& \quad q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
& \quad v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times \\
& \quad 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} \\
& \quad m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} \\
& \quad q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
& \quad \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times \\
& \quad 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \\
& \quad \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} \\
& \quad v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times \\
& 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} )^2 - \\
9. q^2 ( & 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 ( -8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 ) \\
( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} \\
& m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} \\
& q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
& v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \\
& \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} \\
& z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \\
& \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \\
& \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times \\
& 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \\
& \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 \\
& v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times \\
& 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
& v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times
\end{aligned}$$



$$\begin{aligned}
& 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8
\end{aligned}$$

$$\begin{aligned}
& z^2 \sin[\beta]^{12}) + 2. (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
& 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} \\
& m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2
\end{aligned}$$

$$\begin{aligned}
& \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} \\
& q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times \\
& 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \Big)^3 + \\
27. & q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \right. \\
& \left. \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^8 \left( -8.19632 \times 10^{16} + \right. \\
& \left. 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 \right)^2 \\
& \left( 1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \right. \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} m^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + 7.36649 \times \\
& 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \\
& \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \\
& \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \\
& \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
& m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
& q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
& \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16}
\end{aligned}$$

$$\begin{aligned}
 & m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
 & \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times \\
 & 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} ) - \\
 72. & ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2 )^4 ( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4 ) ( 2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} \\
 & q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} \\
 & m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
 & v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times \\
 & 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times \\
 & 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
 & 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times \\
 & 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 +
 \end{aligned}$$

$$\begin{aligned}
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times \\
& 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \\
& \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} \\
& q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} \\
& m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 -
\end{aligned}$$



$$\begin{aligned}
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times \\
& 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \\
& \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \\
& \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \\
& \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
 & \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
 & q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
 & \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times \\
 & 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} )^{2/3} \Big)^{1/3} / \\
 & \left( \left( (0. + 0. i) + 1.43146 \times 10^8 \cos[2. \beta] \right)^2 (8.98755 \times 10^{16} - 1. v^2 - \right. \\
 & \left. 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right) \Big), \\
 & \left\{ s \rightarrow - \frac{0.25 q (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)}{2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4} - \right. \\
 & 0.5 \\
 & \left. \sqrt{\left( \frac{0.25 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2} \right.} \right. \\
 & \left. (0.666667 \right. \\
 & (2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - \\
 & 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + \\
 & 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - \\
 & 4.09816 \times 10^{16} v^8 z^2 - \\
 & \left. \left. 1.87177 \times 10^{85} m^2 \right) \right\}
 \end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \\
& \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 \\
& v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} \\
& q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} \\
& q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 \\
& z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 \\
& v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 \\
& v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17}
\end{aligned}$$

$$\begin{aligned}
& v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \\
& \sin[\beta]^8 - 2.97518 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 \\
& v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \\
& \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \\
& \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
& m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
& z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18}
\end{aligned}$$

$$\begin{aligned}
& \left( \frac{v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}}{(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4} \right. \\
& \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 \right) + \\
& \left( 0.419974 \left( -3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \right. \\
& \left. \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 \right) \right. \\
& \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
& \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \\
& \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right. \right. \\
& \left. \left. 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
& \left. \left. 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \right. \right. \\
& \left. \left. 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \right. \right. \\
& \left. \left. 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \right. \right. \\
& \left. \left. 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \right. \right. \\
& \left. \left. 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \right. \right.
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 34. v^8 z^2 \text{Sin}[\beta]^{12}) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 -
\end{aligned}$$



$$\begin{aligned}
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
 & 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
 & 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 -
 \end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 (8.98755 \times 10^{16} - 1. \\
 & \quad v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & \left( 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & \quad (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & \quad \quad 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & \quad (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & \quad \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & \quad \quad 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & \quad \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & \quad \quad 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & \quad \quad 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & \quad \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & \quad \quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & \quad \quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & \quad \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & \quad \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & \quad \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & \quad \quad 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & \quad \quad 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & \quad \quad 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & \quad \quad 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & \quad \quad 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
& 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} \\
& \quad q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} \\
& \quad q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} \\
& \quad m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 \\
& \quad v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& \quad z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$



$$\begin{aligned}
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
& v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35}
\end{aligned}$$

$$\begin{aligned}
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
& \quad z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& \quad 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& \quad 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& \quad 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& \quad 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& \quad 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& \quad 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& \quad 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& \quad 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& \quad 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& \quad 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& \quad 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& \quad 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& \quad 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& \quad 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& \quad 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& \quad 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& \quad 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& \quad 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& \quad 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& \quad 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& \quad 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& \quad 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& \quad 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& \quad \quad v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& \quad 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& \quad 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& \quad 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& \quad 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& \quad 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 -
\end{aligned}$$



$$\begin{aligned}
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
 & 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
 & 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
 & 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
 & 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
 & \quad v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
 & 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
 & 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
 & 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
 & \quad v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
 & \quad z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
 & \quad \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
 & \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} +
 \end{aligned}$$

$$\begin{aligned}
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
 & \quad m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
 & \quad z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
 & \quad z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} + \\
 & \sqrt{\left( -4. \left( -3. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right) \left( -5.34792 \times 10^{84} m^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \right. \\
 & \quad \left. \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right. \right. \right. \\
 & \quad \left. \left. \left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \right. \right. \right.
 \end{aligned}$$

$$\begin{aligned}
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 -
 \end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
 & \quad q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
 & \quad \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
 & \quad z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
 & \quad m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
 & 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
 & 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
 & 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
 & 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
 & 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
 & \quad \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
 & \quad z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
 & \quad q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
& z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2
\end{aligned}$$

$$\begin{aligned}
 & \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
 & v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \\
 & \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
 & q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
 (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
 (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 -
 \end{aligned}$$



$$\begin{aligned}
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - \\
 9. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
& 2. ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68}
\end{aligned}$$

$$\begin{aligned}
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} -
 \end{aligned}$$

$$\begin{aligned}
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} \Big)^3 + \\
 27. & q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
 & \left. v^2 \text{Sin}[\beta]^2 \right)^8 \left( -8.19632 \times 10^{16} + \right. \\
 & \left. 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right)^2 \\
 & \left( 1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \right. \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
 & v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} +
 \end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& v^4 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
& v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 +
 \end{aligned}$$



$$\begin{aligned}
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^2 \Big)^{1/3} \Big) + \\
 & \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \right. \right. \\
 & \left. \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \\
 & \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \\
 & \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
 & \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \right. \right. \\
 & \left. \left. 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \\
 & \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \\
 & \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right. \right. \\
 & \left. \left. 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \right. \right. \\
 & \left. \left. 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
 & \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right. \\
 & \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right. \\
 & \left. \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right. \right. \\
 & \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \\
 & \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right. \right. \\
 & \left. \left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
 & \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
 & \left. \left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right. \right. \\
 & \left. \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right. \right. \\
 & \left. \left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right. \right. \\
 & \left. \left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \\
 & \left. \left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right. \right. \\
 & \left. \left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right. \right. \\
 & \left. \left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right. \right. \\
 & \left. \left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right. \right. \\
 & \left. \left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right. \right. \\
 & \left. \left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right. \right. \\
 & \left. \left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right. \right. \\
 & \left. \left. 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \right. \right. \\
 & \left. \left. 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \right. \right. \\
 & \left. \left. 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \right. \right. \\
 & \left. \left. 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
 & 3.27853 \times 10^{17} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} \\
 & q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69}
 \end{aligned}$$

$$\begin{aligned}
& q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} \\
& m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 \\
& v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
& v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 -
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2. \\
(2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 -
\end{aligned}$$



$$\begin{aligned}
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2
\end{aligned}$$

$$\begin{aligned}
& v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
& z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
 & z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
 & \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \right.\right.\right. \\
 & \quad \left.\left.\left. 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \right.\right.\right.
 \end{aligned}$$



$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
 & 8.19632 \times 10^{16} \sin[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
 & \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
 & z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
 & m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
 & \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
 & m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
 & \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
 & z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
 & m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
 & \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
 & q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
 & \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
 & v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \\
 & \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
 & q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34}
 \end{aligned}$$

$$\begin{aligned}
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
& z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
(-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} )^2 - \\
 9. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 -
 \end{aligned}$$



$$\begin{aligned}
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} +
\end{aligned}$$

$$\begin{aligned}
 & 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
 & 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
 & v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & \quad v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} ) - \\
 72. & ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \\
 & ( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 ) \\
 & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& \quad v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& \quad m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & \left( \left( \left( \left( 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \right. \right. \right. \right. \\
 & \left. \left. \left. \left. 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \right) \right) \right) \right)^{1/3} \Big/ \\
 & \left( \left( (0. + 0. i) + 1.43146 \times 10^8 \cos[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - 1. v^2 - \right. \right. \\
 & \left. \left. 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \right) \Big) + \\
 & 0.5 \sqrt{\left( \frac{0.5 q^2 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 \right)^2}{\left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 \right)^2} \right)^2} \\
 & (1.33333 \\
 & (2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - \\
 & 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + \\
 & 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - \\
 & 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \\
 & \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 \\
 & v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
 & q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
 & q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} \\
 & q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 \\
 & z^2 \sin[\beta]^2 + 9.931 \times 10^{51} \\
 & v^4 z^2 \sin[\beta]^2 - \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} \\
 & v^8 z^2 \sin[\beta]^2 + \\
 & 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2
 \end{aligned}$$



$$\begin{aligned}
& \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 \\
& v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 \\
& v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 \\
& v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 \\
& z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
 & \quad \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
 & \quad m^2 v^2 \sin[\beta]^{10} + \\
 & 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
 & \quad m^2 v^4 \sin[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
 & \quad m^2 v^6 \sin[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
 & \quad m^2 v^8 \sin[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \\
 & \quad \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
 & \quad v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 \\
 & \quad z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
 & \quad v^8 z^2 \sin[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \\
 & \quad \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
 & \quad m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
 & \quad m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
 & \quad m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
 & \quad m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
 & \quad z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
 & \quad v^2 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} \\
 & \quad v^6 z^2 \sin[\beta]^{12} + 17. \\
 & \quad v^8 z^2 \sin[\beta]^{12} \Big) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \quad (2.04908 \times 10^{16} - \\
 & \quad 8.19632 \times 10^{16} \sin[\beta]^2 + \\
 & \quad \left. 8.19632 \times 10^{16} \sin[\beta]^4) \Big) - \\
 & (0.419974 \left( -3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \quad (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
 & \quad \left. 3.27853 \times 10^{17} \sin[\beta]^4) \right. \\
 & \quad (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & \quad 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right.
 \end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + \\
& 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 34. v^8 z^2 \text{Sin}[\beta]^{12}) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 +
\end{aligned}$$



$$\begin{aligned}
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( ( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] )^2 (8.98755 \times 10^{16} - 1. \right. \\
 & \quad \left. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \left( 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
 & \quad \quad \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \\
 & \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
 & \quad \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \right. \\
 & \quad \left. 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right.
 \end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} \\
 & \quad q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
 & 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
 & 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
 & \quad m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
 & \quad z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
 & 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
 & 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
 & 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
 & \quad v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& \quad 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& \quad 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& \quad 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& \quad 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& \quad 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
 & 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 +
 \end{aligned}$$



$$\begin{aligned}
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} \\
& m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 \\
& z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6
\end{aligned}$$

$$\begin{aligned}
& z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 \\
& z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
& \quad z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& \quad 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 +
\end{aligned}$$

$$\begin{aligned}
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} \\
& \quad q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} \\
& \quad m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 \\
& \quad z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 \\
& \quad v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 \\
& \quad z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& \quad v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 \\
& \quad z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
& \quad z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
 & \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad v^2 \text{Sin}[\beta]^2)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right. \\
 & \quad 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \left(-5.34792 \times 10^{84} m^2 - \right. \\
 & \quad 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
 & \quad 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & \quad 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & \quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & \quad 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & \quad 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & \quad 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & \quad 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & \quad 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & \quad 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & \quad 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & \quad 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & \quad 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & \quad 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & \quad 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & \quad 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & \quad 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & \quad 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & \quad 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & \quad 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & \quad 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & \quad 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & \quad 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & \quad 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & \quad 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & \quad 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & \quad 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & \quad 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} -
 \end{aligned}$$



$$\begin{aligned}
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} \\
 & q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
 & q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
 & m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
& z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
& v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \\
& \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
& q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
& z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 +
\end{aligned}$$

$$\begin{aligned}
& (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} )^2 - \\
 9. & q^2 ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2 )^4 ( -8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 ) \\
 & ( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 -
 \end{aligned}$$

$$\begin{aligned}
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 +
 \end{aligned}$$



$$\begin{aligned}
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16}
\end{aligned}$$

$$\begin{aligned}
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} \\
& m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & \quad v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & \quad 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & \quad 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & \quad 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & \quad 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & \quad 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & \quad 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & \quad 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & \quad 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & \quad 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & \quad 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & \quad 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & \quad 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & \quad 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & \quad 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & \quad 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & \quad 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & \quad 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & \quad 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & \quad 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 -
 \end{aligned}$$

$$\begin{aligned}
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 \\
& v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^{1/3} \Big) - \\
& \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \right. \right. \\
& \left. \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} \sin[\beta]^4) \right) \right)
\end{aligned}$$

$$\begin{aligned}
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$



$$\begin{aligned}
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
& 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} \\
 & \quad q^2 v^2 \text{Sin}[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
 & \quad m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
 & \quad z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
 & 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
 & \quad v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& \quad 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8
 \end{aligned}$$

$$\begin{aligned}
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& \quad 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& \quad 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& \quad 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& \quad 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& \quad 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& \quad 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& \quad 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& \quad 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& \quad 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& \quad 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& \quad 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& \quad 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& \quad 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& \quad 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& \quad 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& \quad 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& \quad 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& \quad 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& \quad 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& \quad 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& \quad 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& \quad 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& \quad 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& \quad 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} \\
& \quad m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& \quad 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 \\
& \quad z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& \quad 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& \quad 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& \quad 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& \quad 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& \quad 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& \quad 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& \quad 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& \quad 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& \quad 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& \quad 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& \quad 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& \quad 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 \\
& \quad v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 \\
& \quad z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& \quad v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 \\
& \quad z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
& \quad z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} -
\end{aligned}$$



$$\begin{aligned}
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} \\
& \quad q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} \\
& \quad m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 \\
& \quad z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 \\
& v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 \\
& z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 \\
& z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
 & z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
 & \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \right.\right.\right. \\
 & \quad \left.\left.\left. 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \right.\right.\right.
 \end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^2 + 12. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& 8.19632 \times 10^{16} \sin[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} \\
& q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} \\
& m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} \\
& q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
 & \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
 & z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
 & m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
 & \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
 & m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
 & \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
 & z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
 & m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
 & \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
 & q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
 & \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
 & v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \\
 & \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
 & q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} -
 \end{aligned}$$



$$\begin{aligned}
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
& z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
(-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} )^2 - \\
 9. & q^2 ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2 )^4 ( -8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 ) \\
 & ( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2
\end{aligned}$$

$$\begin{aligned}
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} \\
 & m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
 & 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 \\
 & v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & \quad v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 +
 \end{aligned}$$



$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} \\
& \quad m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 \\
& \quad v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& \quad m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\left( \left( (0. + 0. i) + 1.43146 \times 10^8 \cos[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \right)^{1/3} \Bigg/$$

$$0.25 \left( - \frac{1. q^3 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 \right)^3}{\left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 \right)^3} - \right.$$

$$\left. \left( 8. q \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \right. \right.$$

$$2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right.$$

$$3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right.$$

$$2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \right.$$

$$8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \right.$$

$$5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right.$$

$$3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \right.$$

$$8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \right.$$

$$4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \right.$$

$$1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + \right.$$

$$3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \right.$$

$$2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \right.$$

$$6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \right.$$

$$1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \right.$$

$$1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \right.$$

$$1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \right.$$

$$4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \right.$$

$$7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \right.$$

$$5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \right.$$

$$1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \right.$$

$$5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \right.$$

$$3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \right.$$

$$8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \right.$$

$$2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \right.$$

$$1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} \right.$$

$$m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \right.$$

$$8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \right.$$

$$2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \right.$$

$$5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \right.$$

$$3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \right.$$

$$8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \right.$$

$$2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \right.$$

$$9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \right.$$

$$1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \right.$$

$$1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \right.$$

$$3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \left. \right)$$

$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} \\
& \quad q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& \quad z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \Big) / \\
& \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
& \quad \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \\
& \quad \left. 8.19632 \times 10^{16} \sin[\beta]^4) \right) + \\
& (4. q (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& \quad (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
& \quad 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& \quad 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& \quad 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& \quad 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& \quad 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& \quad 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& \quad 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& \quad 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - \\
& \quad 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
& \quad 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& \quad 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& \quad 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - \\
& \quad 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& \quad 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& \quad 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& \quad 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - \\
& \quad 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
 & 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
 & 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
 & 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
 & 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
 & 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
 & 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
 & 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
 & 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
 & 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
 & 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
 & 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
 & \quad m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
 & \quad m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) ) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2 \right) \Big) / \\
 & \left( \sqrt{ \left( \frac{0.25 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2} \right.} \right. \\
 & \left. \left. (0.666667 (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
 & \quad m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \Big) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \\
 & \quad \left. 8.19632 \times 10^{16} \sin[\beta]^4 \right) + (0.419974 \\
 & \quad \left( -3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \quad \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 \right) \\
 & \quad \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
 & \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & \quad 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 & \quad 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & \quad 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & \quad 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & \quad 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & \quad 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & \quad 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & \quad 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & \quad 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & \quad 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & \quad 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & \quad 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & \quad 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & \quad 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & \quad 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & \quad 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & \quad 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & \quad 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & \quad 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & \quad 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & \quad 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 -
 \end{aligned}$$



$$\begin{aligned}
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 +
 \end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
 & 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} -
 \end{aligned}$$

$$\begin{aligned}
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - \right. \\
 & \quad \left. 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \\
 & \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \right. \\
 & \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \\
 & \quad \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
 & \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & \quad 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & \quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & \quad 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & \quad 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & \quad 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & \quad 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & \quad 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & \quad 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & \quad 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & \quad 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & \quad 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & \quad 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & \quad 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & \quad 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & \quad 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & \quad 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & \quad 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & \quad 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & \quad 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & \quad 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & \quad 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & \quad \left. 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 \right)
 \end{aligned}$$

$$\begin{aligned}
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 +
 \end{aligned}$$



$$\begin{aligned}
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 -
\end{aligned}$$

$$\begin{aligned}
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 -
 \end{aligned}$$

$$\begin{aligned}
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
& \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \right.\right.\right. \\
& \quad \left.\left.\left. \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \right.\right.\right. \\
& \quad \left.\left.\left. q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times \right.\right.\right. \\
& \quad \left.\left.\left. 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right.\right.\right.
\end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
& v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \\
& \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} \\
& z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \\
& \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} \\
& m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \\
& \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34}
\end{aligned}$$



$$\begin{aligned}
& v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
& \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
 & \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
 & q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
 & m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
 & \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} \\
 & v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
 & \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times \\
 & 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
 & m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
 & \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
 & v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
 & \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} \\
 & q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times \\
 & 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
 & m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
 & \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
 & v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} )^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
 & v^2 \sin[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \\
 & \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} \\
 & m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} \\
 & m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
 & v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 -
 \end{aligned}$$

$$\begin{aligned}
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \\
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \\
& \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} \\
& m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times \\
& 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \\
& \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68}
\end{aligned}$$

$$\begin{aligned}
& v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \\
& \sin[\beta]^{10} + 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} \\
& m^2 q^2 \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} \\
& m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
& \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right. \right. \\
& \left. \left. v^2 \sin[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} \sin[\beta]^4 \right) \left( -5.34792 \times 10^{84} m^2 - \right. \right. \\
& \left. \left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \right. \right. \\
& \left. \left. q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right. \\
& \left. \left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \right. \right. \\
& \left. \left. 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \right. \right. \\
& \left. \left. v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
& \left. \left. 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \right. \right. \\
& \left. \left. \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times \right. \right. \\
& \left. \left. 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} \right. \right. \\
& \left. \left. m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \right. \right. \\
& \left. \left. \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} \right. \right. \\
& \left. \left. v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \right. \right. \\
& \left. \left. 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \right. \right. \\
& \left. \left. 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \right. \right. \\
& \left. \left. \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \right. \right.
\end{aligned}$$

$$\begin{aligned}
 & q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} \\
 & m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
 & \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
 & v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} \\
 & q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
 & 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
 & \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} \\
 & m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
 & \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} \\
 & v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
 & 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
 & \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} \\
 & q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times \\
 & 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \\
 & \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} \\
 & v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \\
 & \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} \\
 & m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} \\
 & q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
 & 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
 & m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} \\
 & v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + \\
 & 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \\
 & \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} \\
 & q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times \\
 & 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} \\
 & m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
 & 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
 & \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} \\
 & v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - \\
 & 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& v^2 \operatorname{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \\
& \operatorname{Sin}[\beta]^2 - 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
& 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
& q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} \\
& m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
& v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
& \operatorname{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
& m^2 v^6 \operatorname{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 + 5.73742 \times \\
& 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \operatorname{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \\
& \operatorname{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^4 + 5.89319 \times 10^{35} \\
& m^2 v^6 \operatorname{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \\
& \operatorname{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 \\
& z^2 \operatorname{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \operatorname{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \operatorname{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \operatorname{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \operatorname{Sin}[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \operatorname{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \operatorname{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \operatorname{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \operatorname{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \operatorname{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \operatorname{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \\
& \operatorname{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \operatorname{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \operatorname{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \operatorname{Sin}[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \\
& \operatorname{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^{10} + 4.36964 \times 10^{52}
\end{aligned}$$

$$\begin{aligned}
 & m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \\
 & \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} \\
 & q^2 v^8 \text{Sin}[\beta]^{10} - 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
 & 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \\
 & \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} \\
 & v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times \\
 & 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \\
 & \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
 & m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
 & \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
 & v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 \\
 & v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times \\
 & 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
 & v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times \\
 & 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times \\
 & 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
 & 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times \\
 & 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 +
 \end{aligned}$$



$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 \\
& z^2 \sin[\beta]^{12} + 2. (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
& 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} \\
& m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2
\end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 +
\end{aligned}$$

$$\begin{aligned}
& 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \right. \\
& \quad \left. \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^8 \left( -8.19632 \times 10^{16} + \right. \\
& \quad \left. 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right)^2 \\
& \left( 1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \right. \\
& \quad 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& \quad m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& \quad 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& \quad m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& \quad 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& \quad 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& \quad q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& \quad 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& \quad 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& \quad 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& \quad v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& \quad 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& \quad 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \quad \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& \quad m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& \quad 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \quad \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& \quad m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& \quad 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \quad \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& \quad m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& \quad 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& \quad v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& \quad 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& \quad m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& \quad 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \quad \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& \quad 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& \quad 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& \quad 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \quad \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& \quad m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& \quad 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \quad \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& \quad m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& \quad 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2
\end{aligned}$$

$$\begin{aligned}
 & \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
 & m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
 & \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
 & q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \\
 & \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} \\
 & v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
 & 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \\
 & \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 \\
 & v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times \\
 & 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \\
 & \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
 & m^2 q^2 v^8 \text{Sin}[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
 & 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \\
 & \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times \\
 & 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \\
 & \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
 & m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
 & 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
 & 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
 & 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
 & \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
 & m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \\
 & \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times \\
 & 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
 & 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \\
 & \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} \\
 & q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
 & 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 \\
 & z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} \\
 & v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times \\
 & 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2
 \end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times \\
& 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \\
& \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \\
& \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
& \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
& q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
& \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
& \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times \\
& 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (2.67396 \times 10^{84} m^2 + \\
& 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} \\
& q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} \\
& m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34}
\end{aligned}$$

$$\begin{aligned}
 & v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times \\
 & 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times \\
 & 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
 & 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times \\
 & 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times \\
 & 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
 & 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
 & \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
 & m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times \\
 & 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
 & \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
 & z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
 & v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
 & \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52}
 \end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 \\
& z^2 \sin[\beta]^{12} \left( 1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \right. \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17}
\end{aligned}$$

$$\begin{aligned}
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \\
& \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 \\
& v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times \\
& 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \\
& \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \\
& \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times \\
& 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \\
& \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \\
& \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times \\
& 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \\
& \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - 1.33698 \times 10^{85} \\
& q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} \\
& m^2 v^6 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 \\
& z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} \\
& v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times
\end{aligned}$$



$$\begin{aligned}
 & 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \\
 & \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
 & v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times \\
 & 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \\
 & \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
 & m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
 & \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} \\
 & m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
 & q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \\
 & \sin[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} \\
 & m^2 v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
 & \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
 & v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
 & \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} \\
 & m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
 & \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
 & q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
 & \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times \\
 & 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^{1/3} \Big) + \\
 & \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right. \right. \right. \\
 & \left. \left. \left. v^2 \sin[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - \right. \right. \right. \\
 & \left. \left. \left. 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 \right) \right. \right. \\
 & \left. \left. \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \right. \\
 & \left. \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 +
 \end{aligned}$$

$$\begin{aligned}
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + \\
2. & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} -
\end{aligned}$$



$$\begin{aligned}
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} ) + \\
 & \sqrt{(-4. (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
 & \quad \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & \quad 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \\
 & \quad 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
 & \quad 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} \\
 & \quad m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} \\
 & \quad v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
 & \quad 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
 & \quad 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
 & \quad \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
 & \quad m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \\
 & \quad \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 \\
 & \quad z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35}
 \end{aligned}$$

$$\begin{aligned}
& v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \\
& \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} \\
& z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times \\
& 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \\
& \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 \\
& v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
& \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& \quad m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& \quad v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& \quad 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& \quad 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& \quad 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \quad \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times \\
& \quad 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& \quad 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \quad \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} \\
& \quad v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times \\
& \quad 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& \quad 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& \quad 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \quad \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& \quad 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \quad \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& \quad 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& \quad 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \quad \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& \quad 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \quad \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& \quad 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& \quad 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \quad \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& \quad 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& \quad 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \quad \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} \\
& \quad v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \\
& \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} \\
& m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} \\
& m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2
\end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \\
& \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \\
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35}
\end{aligned}$$



$$\begin{aligned}
& v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} \\
& m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times \\
& 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \\
& \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} \\
& v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \\
& \sin[\beta]^{10} + 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} \\
& m^2 q^2 \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} \\
& m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
8.19632 \times 10^{16} \text{Sin}[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
\text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times \\
10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} \\
m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
\text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
\text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
\text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} \\
q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
& \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times \\
& 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \\
& \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times \\
& 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - \\
& 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} \\
& m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} \\
& q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
& 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \\
& \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \\
& \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times \\
& 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4
\end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} \\
(2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 \\
& v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times \\
& 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
& v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times \\
& 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 \\
& z^2 \sin[\beta]^{12}) + 2. (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
& 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} \\
& m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2
\end{aligned}$$

$$\begin{aligned}
& \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} \\
& q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times \\
& 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
& 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 +
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 -
\end{aligned}$$



$$\begin{aligned}
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + 7.36649 \times \\
& 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \\
& \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \\
& \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \\
& \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
& m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2
\end{aligned}$$

$$\begin{aligned}
 & \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} \\
 & m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
 & v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
 & \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
 & v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
 & \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
 & m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
 & \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
 & q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
 & \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times \\
 & 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) - \\
 72. & \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
 & \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
 & \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \left( 2.67396 \times 10^{84} m^2 + \right. \\
 & \left. 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} \right. \\
 & \left. q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \right. \\
 & \left. 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} \right. \\
 & \left. m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \right. \\
 & \left. 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \right. \\
 & \left. v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \right. \\
 & \left. 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \right. \\
 & \left. 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \right. \\
 & \left. \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \right. \\
 & \left. m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times \right. \\
 & \left. 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \right. \\
 & \left. 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \right. \\
 & \left. 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \right.
 \end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times \\
& 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \\
& \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84}
\end{aligned}$$

$$\begin{aligned}
& q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} \\
& m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + 7.36649 \times \\
& 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \\
& \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \\
& \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4
\end{aligned}$$

$$\begin{aligned}
 & \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
 & m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
 & v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \\
 & \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
 & m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
 & v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
 & \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
 & v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
 & \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} \\
 & m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
 & \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
 & q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
 & \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times \\
 & 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} )^{1/3} \Big/
 \end{aligned}$$

$$\left( ( ( ( ( (0. + 0. i) + 1.43146 \times 10^8 \cos[2. \beta] )^2 (8.98755 \times 10^{16} - 1. v^2 - \right.$$

$$\left. \left. \left. \left. \left. 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \right) \right) \right) \right) \Big\} ,$$

$$\left\{ s \rightarrow - \frac{0.25 q (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)}{2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4} + \right.$$

$$0.5 \sqrt{\left( \frac{0.25 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2} - \right.$$

(0.666667

$$\begin{aligned}
& (2.67396 \times 10^{84} m^2 + \\
& 8.02187 \times 10^{84} q^2 - \\
& 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \\
& \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \\
& \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 \\
& v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} \\
& q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} \\
& q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^2 + 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \\
& \sin[\beta]^4 - 2.38014 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 \\
& v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2
\end{aligned}$$

$$\begin{aligned}
& z^2 \operatorname{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& v^4 z^2 \operatorname{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^4 - 4.09816 \times 10^{17} \\
& v^8 z^2 \operatorname{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \operatorname{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \\
& \operatorname{Sin}[\beta]^6 + 3.57022 \times 10^{69} \\
& m^2 v^2 \operatorname{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \operatorname{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 \\
& v^4 \operatorname{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \operatorname{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^6 + 1.94475 \times 10^{36} \\
& q^2 v^6 \operatorname{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^6 - 5.40957 \times 10^{18} \\
& q^2 v^8 \operatorname{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 \\
& z^2 \operatorname{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \operatorname{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^6 + 4.09816 \times 10^{17} \\
& v^8 z^2 \operatorname{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \operatorname{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \\
& \operatorname{Sin}[\beta]^8 - 2.97518 \times 10^{69} \\
& m^2 v^2 \operatorname{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \operatorname{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 \\
& v^4 \operatorname{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \operatorname{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \operatorname{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^8 + 5.04074 \times 10^{18} \\
& q^2 v^8 \operatorname{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \operatorname{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 \\
& z^2 \operatorname{Sin}[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \operatorname{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \operatorname{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \operatorname{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \operatorname{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \operatorname{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \operatorname{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \operatorname{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \operatorname{Sin}[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2
\end{aligned}$$



$$\begin{aligned}
& \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 \\
& z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \\
& \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
& m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} \\
& z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} \\
& v^6 z^2 \text{Sin}[\beta]^{12} + 17. \\
& v^8 z^2 \text{Sin}[\beta]^{12} \Big) \Big/ \\
& \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
& (2.04908 \times 10^{16} - \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \\
& \left. \text{Sin}[\beta]^4 \right) + \\
& (0.419974 \left( -3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
& \left. v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + \right. \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - \\
& 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
& 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& \left. 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right)
\end{aligned}$$

$$\begin{aligned}
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + \\
& 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 34. v^8 z^2 \text{Sin}[\beta]^{12}) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 -
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 -
\end{aligned}$$



$$\begin{aligned}
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( ( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] )^2 (8.98755 \times 10^{16} - 1. \right. \\
 & \quad \left. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \left. (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \quad \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right.
 \end{aligned}$$

$$\begin{aligned}
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 5.34792 \times 10^{84} z^2 \operatorname{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \operatorname{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \operatorname{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \operatorname{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \operatorname{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \operatorname{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \operatorname{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \operatorname{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \operatorname{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \operatorname{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \operatorname{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \operatorname{Sin}[\beta]^{12} - 34. v^8 z^2 \operatorname{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \operatorname{Sin}[\beta]^2 + v^2 \operatorname{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^2 - \\
 & 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^2 + 3.17792 \times 10^{52} \\
 & q^2 v^4 \operatorname{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^2 - \\
 & 2.35728 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{86} m^2 \operatorname{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^4 - \\
 & 7.9448 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
 & q^2 v^4 \operatorname{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 + \\
 & 5.34792 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
 & v^6 z^2 \operatorname{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \operatorname{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 - \\
 & 1.04726 \times 10^{70} q^2 v^2 \operatorname{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \operatorname{Sin}[\beta]^6 + 1.74786 \times 10^{53}
 \end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} \\
& \quad q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 +
\end{aligned}$$



$$\begin{aligned}
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2
\end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2
\end{aligned}$$

$$\begin{aligned}
& \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
 & q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
 & 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
 & 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 -
\end{aligned}$$

$$\begin{aligned}
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} +
\end{aligned}$$



$$\begin{aligned}
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) + \\
& \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. v^2 \sin[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 3.27853 \times 10^{17} \sin[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right.\right.\right. \\
& \quad \left.\left.\left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right.\right.\right. \\
& \quad \left.\left.\left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \right.\right.\right.
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^2 + 12. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& 8.19632 \times 10^{16} \sin[\beta]^4) (1.33698 \times 10^{84} m^4 +
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& \quad m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& \quad z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& \quad m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \quad \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& \quad z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& \quad q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
& q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2
\end{aligned}$$

$$\begin{aligned}
 & v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
 & q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 \\
 & v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
 & v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 & (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 & 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} \Big)^2 - \\
& 9. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
& \quad \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( -8.19632 \times 10^{16} + \right. \\
& \quad \left. 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right) \\
& \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
& \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& \quad 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& \quad \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right)
\end{aligned}$$

$$\begin{aligned}
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 -
 \end{aligned}$$



$$\begin{aligned}
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 +
 \end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& v^4 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
& v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12}
\end{aligned}$$

$$\begin{aligned}
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} +
 \end{aligned}$$



$$\begin{aligned}
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} )^{1/3} ) + \\
 & (0.264567 (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
 & 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} \\
& \quad q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& \quad v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} \\
& \quad v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{84} z^2 \operatorname{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \operatorname{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& \quad z^2 \operatorname{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \operatorname{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \operatorname{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \operatorname{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \operatorname{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \operatorname{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \operatorname{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \operatorname{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \operatorname{Sin}[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \operatorname{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \operatorname{Sin}[\beta]^{12} - 34. v^8 z^2 \operatorname{Sin}[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
& \quad q^2 v^6 \operatorname{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \operatorname{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \operatorname{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \operatorname{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 -
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 -
\end{aligned}$$



$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
 & \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & \quad 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 -
 \end{aligned}$$

$$\begin{aligned}
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& \quad q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2
\end{aligned}$$

$$\begin{aligned}
& v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} + \\
& \sqrt{\left( -4. \left( -3. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right. \right. \right. \\
& \quad \left. \left. \left. v^2 \sin[\beta]^2 \right)^4 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 3.27853 \times 10^{17} \sin[\beta]^4 \right) \left( -5.34792 \times 10^{84} m^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \right. \\
& \quad \left. \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \right. \\
& \quad \left. \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \right. \right. \right.
\end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 -
 \end{aligned}$$



$$\begin{aligned}
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \Big)^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
 & 8.19632 \times 10^{16} \sin[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
 & \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
 & z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
 & m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
 & 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
 & 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
 & 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
 & 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
 & 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
 & 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
 & 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
 & 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
 & 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
 & 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
 & 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2
 \end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
 & \quad q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
 & \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
 & \quad v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
 & \quad q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \quad \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & \quad m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 \\
 & \quad v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & \quad z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} )^2 - \\
& 9. q^2 ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& \quad v^2 \text{Sin}[\beta]^2 )^4 ( -8.19632 \times 10^{16} + \\
& \quad 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 ) \\
& ( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 +
\end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 +
 \end{aligned}$$



$$\begin{aligned}
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& \quad v^4 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
& \quad v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} ) - \\
72. ( & 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 )^4 \\
& ( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 )
\end{aligned}$$

$$\begin{aligned}
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} -
 \end{aligned}$$

$$\begin{aligned}
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^{1/3} \Big) /
 \end{aligned}$$

$$\begin{aligned}
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \cos[2. \beta] \right)^2 (8.98755 \times 10^{16} - 1. v^2 - \\
 & 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \Big) -
 \end{aligned}$$

$$\begin{aligned}
 & 0.5 \sqrt{\left( \frac{0.5 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2} - \right.} \\
 & \left. (1.33333 \right.
 \end{aligned}$$

$$\begin{aligned}
 & (2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - \\
 & 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + \\
 & 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 +
 \end{aligned}$$

$$\begin{aligned}
& 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \\
& \quad \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} \\
& \quad q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} \\
& \quad q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
& \quad q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} \\
& \quad q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 \\
& \quad z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& \quad v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} \\
& \quad v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \\
& \quad \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 \\
& \quad v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} \\
& \quad q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} \\
& \quad q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 \\
& \quad z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& \quad v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} \\
& \quad v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \\
& \quad \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 \\
& \quad v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36}
\end{aligned}$$



$$\begin{aligned}
& q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \\
& \sin[\beta]^8 - 2.97518 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 \\
& v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \\
& \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \\
& \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
& m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34}
\end{aligned}$$

$$\begin{aligned}
 & m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
 & z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
 & v^2 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} \\
 & v^6 z^2 \sin[\beta]^{12} + 17. \\
 & v^8 z^2 \sin[\beta]^{12} \Big) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \left( 2.04908 \times 10^{16} - \right. \\
 & \left. 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \\
 & \left. 8.19632 \times 10^{16} \sin[\beta]^4 \Big) - \right. \\
 & \left( 0.419974 \left( -3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \right. \\
 & \left. \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \right. \right. \\
 & \left. \left. 3.27853 \times 10^{17} \sin[\beta]^4 \right) \right. \\
 & \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
 & 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
 & 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + \\
 & 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
 & 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & \left. \left. 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 34. v^8 z^2 \text{Sin}[\beta]^{12}) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
 & 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 +
 \end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 +
\end{aligned}$$



$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( ( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] )^2 (8.98755 \times 10^{16} - 1. \right. \\
 & \quad \left. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \left( 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
 & \quad \quad \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \\
 & \quad \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
 & \quad \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & \quad \quad 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & \quad \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & \quad \quad 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & \quad \quad 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & \quad \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & \quad \quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & \quad \quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & \quad \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & \quad \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & \quad \quad \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
 & 3.27853 \times 10^{17} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 -
 \end{aligned}$$

$$\begin{aligned}
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} \\
& \quad q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} \\
& \quad q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} \\
& \quad m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 \\
& \quad v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& \quad z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& \quad q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& \quad 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& \quad 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2
\end{aligned}$$



$$\begin{aligned}
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
& \quad z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& \quad 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& \quad 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& \quad 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& \quad 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& \quad 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& \quad 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& \quad 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& \quad 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& \quad 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& \quad 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& \quad 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& \quad 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& \quad 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& \quad 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& \quad 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& \quad 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& \quad 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& \quad 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& \quad 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& \quad 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& \quad 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& \quad 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& \quad 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& \quad 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& \quad 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& \quad 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& \quad 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& \quad 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6
\end{aligned}$$

$$\begin{aligned}
 & z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
 & m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
 & z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
 & z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) + \\
 & \sqrt{(-4. (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
 & v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
 & 3.27853 \times 10^{17} \sin[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
 & 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
 & 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 -
 \end{aligned}$$



$$\begin{aligned}
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 +
 \end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
 & v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
 & 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
 & v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
 & z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
 & m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
 & \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
 & m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
 & \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
 & z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} \\
 & m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
 & \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
 & q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} +
 \end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
& v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \\
& \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
& q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
& z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
(-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} )^2 - \\
 9. & q^2 ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2 )^4 ( -8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 ) \\
 & ( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 -
\end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} -
\end{aligned}$$



$$\begin{aligned}
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + \\
2. & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + \\
 27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
 & v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 -
\end{aligned}$$

$$\begin{aligned}
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^{2/3} \Big)^{1/3} - \\
 & \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \right. \right. \\
 & \quad \left. \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \right. \\
 & \quad \left. \left. 8.19632 \times 10^{16} \sin[\beta]^4 \right) \right. \\
 & \quad \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
 & \quad \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \right. \right. \\
 & \quad \left. \left. 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \\
 & \quad \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \\
 & \quad \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right. \right. \\
 & \quad \left. \left. 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \right. \right. \\
 & \quad \left. \left. 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
 & \quad \left. \left. 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \right. \right. \\
 & \quad \left. \left. 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \right. \right. \\
 & \quad \left. \left. 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \right. \right. \\
 & \quad \left. \left. 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \right. \right. \\
 & \quad \left. \left. 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \right. \right. \\
 & \quad \left. \left. 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \right. \right. \\
 & \quad \left. \left. 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \right. \right. \\
 & \quad \left. \left. 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \right. \right. \\
 & \quad \left. \left. 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \right. \right. \\
 & \quad \left. \left. 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \right. \right. \\
 & \quad \left. \left. 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \right. \right.
 \end{aligned}$$



$$\begin{aligned}
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
& 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35}
\end{aligned}$$

$$\begin{aligned}
& q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} \\
& q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} \\
& m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 \\
& v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
& v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& \quad q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& \quad 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& \quad 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& \quad 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& \quad 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& \quad 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& \quad 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& \quad 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& \quad 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& \quad 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& \quad 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& \quad 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
 & \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
 & \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
 & \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
 & \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
 & \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
 & \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
 & \quad z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
 & \quad 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 +
 \end{aligned}$$



$$\begin{aligned}
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
 & \quad v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
 & \quad v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
 & 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34}
 \end{aligned}$$

$$\begin{aligned}
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \\
& \quad \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& \quad m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 v^2 \\
& \quad z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 \\
& \quad z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) + \\
\sqrt{\left( -4. \left( -3. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right. \right. \right. \\
\quad \left. \left. \left. v^2 \sin[\beta]^2 \right)^4 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \right. \right. \right. \\
\quad \left. \left. \left. 3.27853 \times 10^{17} \sin[\beta]^4 \right) \left( -5.34792 \times 10^{84} m^2 - \right. \right. \right. \\
\quad \left. \left. \left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right. \right. \right. \\
\quad \left. \left. \left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \right. \\
\quad \left. \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \right. \\
\quad \left. \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \right. \\
\quad \left. \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \right. \\
\quad \left. \left. \left. 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \right. \right. \right. \\
\quad \left. \left. \left. 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \right. \right. \right. \\
\quad \left. \left. \left. 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \right. \right. \right. \\
\quad \left. \left. \left. 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \right. \right. \right. \\
\quad \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \right. \right. \right. \\
\quad \left. \left. \left. 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \right. \right. \right. \\
\quad \left. \left. \left. 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \right. \right. \right. \\
\quad \left. \left. \left. 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \right. \right. \right. \\
\quad \left. \left. \left. 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \right. \right. \right. \\
\quad \left. \left. \left. 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \right. \right. \right. \\
\quad \left. \left. \left. 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \right. \right. \right. \\
\quad \left. \left. \left. 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \right. \right. \right. \\
\quad \left. \left. \left. 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \right. \right. \right. \\
\quad \left. \left. \left. 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \right. \right. \right. \\
\quad \left. \left. \left. 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \right. \right. \right. \\
\quad \left. \left. \left. 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \right. \right. \right. \\
\quad \left. \left. \left. 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \right. \right. \right. \\
\quad \left. \left. \left. 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \right. \right. \right. \\
\quad \left. \left. \left. 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \right. \right. \right. \\
\quad \left. \left. \left. 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \right. \right. \right. \\
\quad \left. \left. \left. 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \right. \right. \right. \\
\quad \left. \left. \left. 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \right. \right. \right.
\end{aligned}$$

$$\begin{aligned}
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2
\end{aligned}$$



$$\begin{aligned}
& v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 \\
& z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
& v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \\
 & \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} \\
 & q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 -
 \end{aligned}$$

$$\begin{aligned}
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} )^2 - \\
& 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 +
\end{aligned}$$

$$\begin{aligned}
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} +
 \end{aligned}$$



$$\begin{aligned}
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} ) - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 - 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 -
 \end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& \left( \left( \left( \left( \left( 5.68665 \times 10^{52} q^2 v^2 z^2 \operatorname{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \right. \right. \right. \right. \right. \\
& \quad \left. \left. \left. \left. \operatorname{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \operatorname{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \right. \right. \right. \\
& \quad \left. \left. \left. m^2 v^6 z^2 \operatorname{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \operatorname{Sin}[\beta]^{12} - \right. \right. \right. \\
& \quad \left. \left. 4.09816 \times 10^{16} m^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + \right. \right. \\
& \quad \left. \left. 1.33698 \times 10^{84} z^4 \operatorname{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \operatorname{Sin}[\beta]^{12} + \right. \right. \\
& \quad \left. \left. 9.931 \times 10^{50} v^4 z^4 \operatorname{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \operatorname{Sin}[\beta]^{12} + \right. \right. \\
& \quad \left. \left. 2.04908 \times 10^{16} v^8 z^4 \operatorname{Sin}[\beta]^{12} \right) \right) \right) \right) \right)^{1/3} \Big/ \\
& \left( \left( (0. + 0. i) + 1.43146 \times 10^8 \operatorname{Cos}[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - 1. v^2 - \right. \right. \\
& \quad \left. \left. 8.98755 \times 10^{16} \operatorname{Sin}[\beta]^2 + v^2 \operatorname{Sin}[\beta]^2 \right)^4 \right) + \\
& \left( 0.25 \left( - \frac{1. q^3 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^2 - 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^4 \right)^3}{\left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^2 + 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^4 \right)^3} - \right. \right. \\
& \quad \left. \left( 8. q \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right. \right. \\
& \quad \left. \left. \left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \right. \right. \right. \\
& \quad \left. \left. \left. 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \right. \right. \right. \\
& \quad \left. \left. \left. 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 4.27833 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 1.90412 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 3.17792 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 - 2.06262 \times 10^{35} \right. \right. \right. \\
& \quad \left. \left. \left. m^2 v^6 \operatorname{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 + \right. \right. \right. \\
& \quad \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^2 - \right. \right. \right. \\
& \quad \left. \left. \left. 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \operatorname{Sin}[\beta]^4 - \right. \right. \right. \\
& \quad \left. \left. \left. 1.39046 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 + \right. \right. \right. \\
& \quad \left. \left. \left. 6.18837 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 - \right. \right. \right. \\
& \quad \left. \left. \left. 1.03282 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^4 + \right. \right. \right. \\
& \quad \left. \left. \left. 7.66115 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^4 - 1.63926 \times 10^{18} \right. \right. \right. \\
& \quad \left. \left. \left. m^2 v^8 \operatorname{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 + \right. \right. \right. \\
& \quad \left. \left. \left. 5.34792 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^4 + \right. \right. \right. \\
& \quad \left. \left. \left. 3.9724 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^4 + \right. \right. \right. \\
& \quad \left. \left. \left. 8.19632 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \operatorname{Sin}[\beta]^6 + \right. \right. \right. \\
& \quad \left. \left. \left. 2.35308 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 - \right. \right. \right. \\
& \quad \left. \left. \left. 1.04726 \times 10^{70} q^2 v^2 \operatorname{Sin}[\beta]^6 + 1.19172 \times 10^{53} \right. \right. \right. \\
& \quad \left. \left. \left. m^2 v^4 \operatorname{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^6 - \right. \right. \right. \\
& \quad \left. \left. \left. 8.83978 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^6 + \right. \right. \right. \\
& \quad \left. \left. \left. 2.4589 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^6 - \right. \right. \right. \\
& \quad \left. \left. \left. 5.34792 \times 10^{85} z^2 \operatorname{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^6 - \right. \right. \right.
\end{aligned}$$

$$\begin{aligned}
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 \\
 & \quad v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
 & \quad z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
 & 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
 & \quad v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} ) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
 & \quad \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \right) + \\
 & (4. q (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & \quad (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
 & \quad 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
 & \quad 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & \quad 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & \quad 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & \quad 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
 & \quad 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & \quad 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
 & \quad v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} \Big) \Big/ \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4)^2 \right) \Big) \Big/ \\
 & \left( \sqrt{\left( \frac{0.25 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4)^2} - \right. \right. \\
 & \left. \left( 0.666667 (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \right. \right. \\
 & \quad 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
 & \quad 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & \quad 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & \quad 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & \quad 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
 & \quad 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & \quad 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
 & \quad 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
 & \quad m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & \quad 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & \quad 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & \quad 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & \quad 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & \quad 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & \quad 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & \quad 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
 & \quad m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
 & \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
 & \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
 & \quad 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
 & \quad 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
 & \quad 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 +
 \end{aligned}$$



$$\begin{aligned}
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) / \\
& \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
& \quad (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& \quad \quad \left. 8.19632 \times 10^{16} \sin[\beta]^4) \right) + (0.419974 \\
& \quad (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& \quad \quad (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& \quad \quad (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& \quad \quad \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& \quad \quad \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& \quad \quad \quad 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& \quad \quad \quad 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( ( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] )^2 ( 8.98755 \times 10^{16} - \right. \\
 & \quad \left. 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \left( 27. q^2 ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 )^4 \right. \\
 & \quad ( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 ) \\
 & \quad ( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & \quad 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & \quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & \quad \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)
\end{aligned}$$

$$\begin{aligned}
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$



$$\begin{aligned}
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 -
 \end{aligned}$$

$$\begin{aligned}
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} \Big)^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 +
\end{aligned}$$

$$\begin{aligned}
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} +
\end{aligned}$$



$$\begin{aligned}
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} + \\
& \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. v^2 \sin[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \right.\right.\right. \\
& \quad \left.\left.\left. \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \right.\right.\right. \\
& \quad \left.\left.\left. q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times \right.\right.\right. \\
& \quad \left.\left.\left. 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \right.\right.\right. \\
& \quad \left.\left.\left. v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \right.\right.\right. \\
& \quad \left.\left.\left. \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} \right.\right.\right. \\
& \quad \left.\left.\left. m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \right.\right.\right. \\
& \quad \left.\left.\left. \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 \right.\right.\right. \\
& \quad \left.\left.\left. z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} \right.\right.\right. \\
& \quad \left.\left.\left. v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \right.\right.\right. \\
& \quad \left.\left.\left. \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \right.\right.\right. \\
& \quad \left.\left.\left. q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \right.\right.\right. \\
& \quad \left.\left.\left. \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} \right.\right.\right. \\
& \quad \left.\left.\left. z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \right.\right.\right.
\end{aligned}$$

$$\begin{aligned}
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \\
 & \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} \\
 & m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} \\
 & m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \\
 & \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} \\
 & q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
 & 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \\
 & \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} \\
 & v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \\
 & \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 \\
 & z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} \\
 & v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
 & \text{Sin}[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
 & q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
 & m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
 & \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} \\
 & v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
 & 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
 & \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} \\
 & q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} \\
 & m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
 & z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
 & v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 -
 \end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
 & \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
 & q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
 & 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
 & m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
 & \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \\
 & \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} \\
 & m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} \\
 & m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
 & v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
 & \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
 & m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
 & \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
 & m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
 & \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
 & m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
 & q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
 & m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
 & \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34}
 \end{aligned}$$

$$\begin{aligned}
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17}
\end{aligned}$$

$$\begin{aligned}
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} \\
& m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times \\
& 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \\
& \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} \\
& v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \\
& \sin[\beta]^{10} + 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} \\
& m^2 q^2 \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} \\
& m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& 8.19632 \times 10^{16} \sin[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
& 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
& q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
& v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times \\
& 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} \\
& q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
& \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2
\end{aligned}$$

$$\begin{aligned}
 & \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times \\
 & 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \\
 & \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} \\
 & v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \\
 & \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} \\
 & m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
 & q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
 & m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} \\
 & v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \\
 & \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} \\
 & q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times \\
 & 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
 & m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
 & \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
 & v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - \\
 & 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \\
 & \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
 & 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
 & q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} \\
 & m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
 & v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
 & 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
 & \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times \\
 & 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$



$$\begin{aligned}
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \\
& \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \\
& \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + 4.36964 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \\
& \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^{10} - 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \\
& \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} \\
& v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times \\
& 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \\
& \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2
\end{aligned}$$

$$\begin{aligned}
& v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times \\
& 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
& v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times \\
& 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times \\
& 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 \\
& z^2 \text{Sin}[\beta]^{12}) + 2. (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \\
& 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} \\
& m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2
\end{aligned}$$

$$\begin{aligned}
 & \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
 & m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
 & \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
 & v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
 & \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
 & 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
 & m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
 & \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
 & v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
 & \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
 & q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
 & 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
 & m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
 & \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + \\
 & 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
 & \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
 & 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
 & m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
 & m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
 & 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
 & q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
 & v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \\
& \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 \\
& v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times \\
& 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \\
& \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \\
& \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times
\end{aligned}$$

$$\begin{aligned}
& 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \\
& \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \\
& \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times \\
& 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \\
& \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} \\
& q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 \\
& z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} \\
& v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times \\
& 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \\
& \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times \\
& 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \\
& \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
& \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \\
& \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67}
\end{aligned}$$

$$\begin{aligned}
& m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
& q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
& \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
& \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times \\
& 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} ) - \\
72. & ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2 )^4 ( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& 8.19632 \times 10^{16} \sin[\beta]^4 ) ( 2.67396 \times 10^{84} m^2 + \\
& 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} \\
& q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} \\
& m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
& v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4
\end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times \\
& 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times \\
& 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} \\
& v^4 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 \\
& z^2 \text{Sin}[\beta]^{12}) (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 -
\end{aligned}$$



$$\begin{aligned}
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \\
& \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \\
& \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 \\
& v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times \\
& 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \\
& \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \\
 & \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times \\
 & 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \\
 & \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
 & m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
 & 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
 & 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
 & 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
 & \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
 & m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \\
 & \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times \\
 & 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
 & 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \\
 & \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} \\
 & q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
 & 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 \\
 & z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} \\
 & v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times \\
 & 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \\
 & \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
 & v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times \\
 & 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \\
 & \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
 & m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \\
 & \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
 & m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
 & q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \\
 & \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} \\
 & m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
 & \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
 & v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} +
 \end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
& \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
& q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
& \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
& \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times \\
& 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^{1/3} \Big)^{1/3} + \\
& \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \right. \\
& \left. \left. \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - \right. \right. \right. \\
& \left. \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \right. \\
& \left. \left. \left. - 5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
& \left. \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right. \\
& \left. \left. \left. 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \\
& \left. \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \\
& \left. \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
& \left. \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. \left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. \left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. \left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. \left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. \left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. \left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. \left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. \left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. \left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right. \right. \right. \\
\end{aligned}$$

$$\begin{aligned}
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + \\
2. & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \Big)^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 +
 \end{aligned}$$



$$\begin{aligned}
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} + \\
 & \sqrt{\left( -4. \left( -3. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \left( -8.19632 \times 10^{16} + \right. \right. \right. \\
 & \quad \left. \left. \left. 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right) \right. \right. \\
 & \quad \left. \left. \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} \right. \right. \right. \\
 & \quad \left. \left. \left. m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \right. \\
 & \quad \left. \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} \right. \right. \right. \\
 & \quad \left. \left. \left. v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \right. \right. \right. \\
 & \quad \left. \left. \left. m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \right. \\
 & \quad \left. \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 \right. \right. \right. \\
 & \quad \left. \left. \left. z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \right. \right. \right. \\
 & \quad \left. \left. \left. v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \right. \right. \right. \\
 & \quad \left. \left. \left. q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \right. \right. \right. \\
 & \quad \left. \left. \left. m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \right. \right. \right. \\
 & \quad \left. \left. \left. v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right. \right. \right. \\
 & \quad \left. \left. \left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} \right. \right. \right. \\
 & \quad \left. \left. \left. q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} \right. \right. \right. \\
 & \quad \left. \left. \left. z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times \right. \right. \right. \\
 & \quad \left. \left. \left. 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \right. \right. \right. \\
 & \quad \left. \left. \left. 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \right. \right. \right. \\
 & \quad \left. \left. \left. \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 \right. \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& v^2 \operatorname{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^8 - 9.931 \times 10^{52} \\
& m^2 v^4 \operatorname{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^8 + 7.36649 \times \\
& 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \\
& \operatorname{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 \\
& z^2 \operatorname{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^8 - 1.4733 \times 10^{35} \\
& v^6 z^2 \operatorname{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \operatorname{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \operatorname{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
& \operatorname{Sin}[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \operatorname{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \operatorname{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \operatorname{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \operatorname{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^{10} + 2.94659 \times 10^{34} \\
& v^6 z^2 \operatorname{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \operatorname{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \operatorname{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \operatorname{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
& \operatorname{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \operatorname{Sin}[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \operatorname{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \operatorname{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \operatorname{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \operatorname{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \operatorname{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \operatorname{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \operatorname{Sin}[\beta]^{12} - 34. v^8 z^2 \operatorname{Sin}[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \operatorname{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \operatorname{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \operatorname{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \operatorname{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \operatorname{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 + 1.54924 \times 10^{53}
\end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times \\
& 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
& 12. (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 +
\end{aligned}$$



$$\begin{aligned}
& v^2 \operatorname{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \\
& \operatorname{Sin}[\beta]^2 + 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} \\
& m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} \\
& m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \operatorname{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \operatorname{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \operatorname{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \operatorname{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \operatorname{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \operatorname{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \operatorname{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \operatorname{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \operatorname{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \operatorname{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \operatorname{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \operatorname{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \operatorname{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \operatorname{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \operatorname{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \operatorname{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \operatorname{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \operatorname{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \operatorname{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \operatorname{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& q^2 v^4 z^2 \operatorname{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \operatorname{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \operatorname{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \operatorname{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \operatorname{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \operatorname{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \operatorname{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \operatorname{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \operatorname{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \operatorname{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \operatorname{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \operatorname{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \operatorname{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \operatorname{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \operatorname{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \operatorname{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \operatorname{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \operatorname{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \operatorname{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \operatorname{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \operatorname{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \operatorname{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \operatorname{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \operatorname{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \operatorname{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \operatorname{Sin}[\beta]^4 + 1.78511 \times 10^{69}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \\
& \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84}
\end{aligned}$$

$$\begin{aligned}
& m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times \\
& 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \\
& \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} \\
& v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \\
& \sin[\beta]^{10} + 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} \\
& m^2 q^2 \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} \\
& m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
& \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \right. \right. \\
& \left. \left. v^2 \sin[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} \sin[\beta]^4 \right) \left( -5.34792 \times 10^{84} m^2 - \right. \right. \\
& \left. \left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \right. \right. \\
& \left. \left. q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right. \right.
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
& v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times \\
& 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} \\
& q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
& \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times \\
& 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \\
& \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \\
& \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} \\
& q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times \\
& 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \text{Sin}[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - \\
& 9. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} \\
& m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} \\
& q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
& 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times \\
& 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \\
& \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 \\
& z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53}
\end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \\
& \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \\
& \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times \\
& 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \\
& \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} \\
& v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 \\
& v^4 - 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times \\
& 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
& v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times \\
& 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times \\
& 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \\
& \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 2. \left( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \right. \\
& \quad m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& \quad v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& \quad 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& \quad 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& \quad 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \quad \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times \\
& \quad 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& \quad 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \quad \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} \\
& \quad v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times \\
& \quad 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& \quad 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& \quad 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& \quad 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& \quad m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& \quad 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& \quad 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \quad \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& \quad 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& \quad 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& \quad 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \quad \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& \quad 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& \quad 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \quad \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& \quad v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& \quad 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2
\end{aligned}$$



$$\begin{aligned}
& \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times \\
& \quad 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
& \quad \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& \quad v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
& \quad \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} \\
& \quad q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times \\
& \quad 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& \quad m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \quad \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& \quad v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \quad \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& \quad 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& \quad 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& \quad m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& \quad 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} \\
& \quad m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& \quad 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& \quad 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& \quad q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& \quad 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& \quad 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& \quad 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& \quad v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& \quad 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& \quad 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \quad \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& \quad m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& \quad 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \quad \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& \quad m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& \quad 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \quad \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times \\
& 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \\
& \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \\
& \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \\
& \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
& \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
& q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
& \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16}
\end{aligned}$$

$$\begin{aligned}
 & m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
 & \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times \\
 & 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} ) - \\
 72. & ( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
 & v^2 \sin[\beta]^2 )^4 ( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
 & 8.19632 \times 10^{16} \sin[\beta]^4 ) ( 2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} \\
 & q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} \\
 & m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} \\
 & v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
 & \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} \\
 & m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times \\
 & 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \\
 & \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
 & m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times \\
 & 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
 & 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
 & 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \\
 & \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
 & m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times \\
 & 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 +
 \end{aligned}$$

$$\begin{aligned}
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times \\
& 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \\
& \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times \\
& 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \\
& \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} \\
& q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} \\
& m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} \\
& q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times \\
& 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \\
& \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \\
& \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \\
& \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$





$$\begin{aligned}
& \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \\
& \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 \\
& v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} \\
& q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} \\
& q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^2 + 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \\
& \sin[\beta]^4 - 2.38014 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 \\
& v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \\
& \sin[\beta]^6 + 3.57022 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 \\
& v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17}
\end{aligned}$$

$$\begin{aligned}
& v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \\
& \sin[\beta]^8 - 2.97518 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 \\
& v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \\
& \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \\
& \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} \\
& m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} \\
& z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18}
\end{aligned}$$

$$\begin{aligned}
 & \left( \frac{v^6 z^2 \sin[\beta]^{12} + 17 \cdot v^8 z^2 \sin[\beta]^{12}}{\left( (8.98755 \times 10^{16} - 1 \cdot v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \right. \\
 & \quad \left. \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 \right) \right) + \\
 & \left( 0.419974 \left( -3 \cdot q^2 \left( 8.98755 \times 10^{16} - 1 \cdot v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \right. \right. \\
 & \quad \left. \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 \right) \right. \\
 & \quad \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right. \right. \\
 & \quad \left. \left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \right. \right. \\
 & \quad \left. \left. 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right. \right. \\
 & \quad \left. \left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
 & \quad \left. \left. 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \right. \right. \\
 & \quad \left. \left. 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \right. \right. \\
 & \quad \left. \left. 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \right. \right. \\
 & \quad \left. \left. 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + \right. \right. \\
 & \quad \left. \left. 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - \\
& 34. v^8 z^2 \sin[\beta]^{12}) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + \\
& 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 +
\end{aligned}$$



$$\begin{aligned}
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
 & \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 (8.98755 \times 10^{16} - 1. \\
 & v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & \left( 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right)
 \end{aligned}$$

$$\begin{aligned}
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
& 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 -
\end{aligned}$$

$$\begin{aligned}
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} \\
& \quad q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& \quad z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
& \quad q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53}
\end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} -
\end{aligned}$$



$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
 & 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
 & 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
 & 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
 & 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} \\
 & q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
 & 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
 & 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
 & 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 -
\end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 -
\end{aligned}$$



$$\begin{aligned}
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} + \\
& \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right.\right.\right. \\
& \quad \left.\left.\left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right.\right.\right. \\
& \quad \left.\left.\left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
& \quad \left.\left.\left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
& \quad \left.\left.\left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right.\right.\right.
\end{aligned}$$

$$\begin{aligned}
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^2 + 12. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& 8.19632 \times 10^{16} \sin[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 -
\end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
& q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
 & \quad q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \quad \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & \quad m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 \\
 & \quad v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & \quad z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 -
 \end{aligned}$$



$$\begin{aligned}
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} )^2 - \\
9. q^2 ( & 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2 )^4 ( -8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4 ) \\
& ( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 -
 \end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} +
 \end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
 & v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} -
 \end{aligned}$$

$$\begin{aligned}
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 +
 \end{aligned}$$



$$\begin{aligned}
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^2 \Big)^{1/3} \Big) + \\
& \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \right. \right. \\
& \left. \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \\
& \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
& \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \right. \right. \\
& \left. \left. 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \\
& \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right. \right. \\
& \left. \left. 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \right. \right. \\
& \left. \left. 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
& \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right. \right. \\
& \left. \left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right. \right. \\
& \left. \left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right. \right. \\
& \left. \left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right. \right. \\
& \left. \left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right. \right. \\
& \left. \left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right. \right.
\end{aligned}$$

$$\begin{aligned}
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
 & 3.27853 \times 10^{17} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} \\
 & q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
 & 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 -
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$



$$\begin{aligned}
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
 & \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & \quad 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 +
 \end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
& \quad q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
 & 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
 & 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} +
\end{aligned}$$



$$\begin{aligned}
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
 & \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \right.\right.\right. \\
 & \quad \left.\left.\left. 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \right.\right.\right. \\
 & \quad \left.\left.\left. 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \right.\right.\right. \\
 & \quad \left.\left.\left. 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \right.\right.\right. \\
 & \quad \left.\left.\left. 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \right.\right.\right. \\
 & \quad \left.\left.\left. 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \right.\right.\right. \\
 & \quad \left.\left.\left. 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \right.\right.\right. \\
 & \quad \left.\left.\left. 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \right.\right.\right. \\
 & \quad \left.\left.\left. 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \right.\right.\right. \\
 & \quad \left.\left.\left. 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \right.\right.\right. \\
 & \quad \left.\left.\left. 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \right.\right.\right.
 \end{aligned}$$

$$\begin{aligned}
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 +
 \end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
& q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
& q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
& \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
& v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6
\end{aligned}$$

$$\begin{aligned}
& z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
(27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
(-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - \\
 9. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
 & v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 -
 \end{aligned}$$



$$\begin{aligned}
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 +
 \end{aligned}$$

$$\begin{aligned}
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& v^2 \text{Sin}[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 +
\end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
 & \quad v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
 & 72. (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 +
\end{aligned}$$



$$\begin{aligned}
&3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
&8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
&1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
&5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
&9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
&7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
&\quad v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
&2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
&1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
&3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
&2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
&3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
&1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
&2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
&4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
&1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
&4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
&1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
&7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
&\quad \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
&\quad q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
&1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
&4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
&3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
&4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
&1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
&5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
&2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
&9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
&3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
&2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
&2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
&8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
&1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
&5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
&\quad \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
&\quad m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
&4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
&1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
&9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
&2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12})^2)^{1/3} \bigg) / \\
&\left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - 1. v^2 - \right)
\end{aligned}$$

$$\left. 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \Bigg) +$$

$$0.5 \sqrt{\left( \frac{0.5 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2} \right)^2} -$$

$$(1.33333$$

$$\begin{aligned}
 & (2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - \\
 & 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + \\
 & 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - \\
 & 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \\
 & \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \\
 & \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 \\
 & v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} \\
 & q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
 & q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
 & q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} \\
 & q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 \\
 & z^2 \sin[\beta]^2 + 9.931 \times 10^{51} \\
 & v^4 z^2 \sin[\beta]^2 - \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} \\
 & v^8 z^2 \sin[\beta]^2 + \\
 & 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \\
 & \sin[\beta]^4 - 2.38014 \times 10^{69} \\
 & m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 \\
 & v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
 & q^2 v^4 \sin[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} \\
& \quad q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} \\
& \quad q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 \\
& \quad z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& \quad v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} \\
& \quad v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \\
& \quad \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 \\
& \quad v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} \\
& \quad q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} \\
& \quad q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 \\
& \quad z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& \quad v^4 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} \\
& \quad v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \\
& \quad \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 \\
& \quad v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} \\
& \quad q^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} \\
& \quad q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 \\
& \quad z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} \\
& \quad v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
& \quad \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} \\
& \quad m^2 v^4 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
 & \quad m^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} \\
 & \quad m^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} z^2 \\
 & \quad \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
 & \quad v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 \\
 & \quad z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
 & \quad v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + 3.20875 \times 10^{85} q^2 \\
 & \quad \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} \\
 & \quad m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} \\
 & \quad m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
 & \quad m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & \quad m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} \\
 & \quad z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & \quad v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} + 17. \\
 & \quad v^8 z^2 \text{Sin}[\beta]^{12} \Big) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & \quad (2.04908 \times 10^{16} - \\
 & \quad 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & \quad \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \Big) - \right. \\
 & \left( 0.419974 \left( -3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \right. \\
 & \quad \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \right. \\
 & \quad \left. \left. 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right) \right. \\
 & \quad \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
 & \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & \quad 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & \quad 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & \quad 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
 & \quad 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & \quad \left. \left. 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + \\
& 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 34. v^8 z^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} +
\end{aligned}$$



$$\begin{aligned}
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big) \Big) / \\
& \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 (8.98755 \times 10^{16} - 1. \\
& v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4
\end{aligned}$$

$$\begin{aligned}
& \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \right. \\
& \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
& \quad \quad \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \\
& \quad \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
& \quad \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& \quad \quad 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& \quad \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& \quad \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& \quad \quad 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& \quad \quad 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& \quad \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& \quad \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& \quad \quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& \quad \quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& \quad \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& \quad \quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& \quad \quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& \quad \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& \quad \quad 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& \quad \quad 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& \quad \quad 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& \quad \quad 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& \quad \quad 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& \quad \quad 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& \quad \quad 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& \quad \quad 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& \quad \quad 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& \quad \quad 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& \quad \quad 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& \quad \quad 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& \quad \quad 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& \quad \quad 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& \quad \quad 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& \quad \quad 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& \quad \quad 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& \quad \quad 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& \quad \quad 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& \quad \quad 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& \quad \quad 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& \quad \quad 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& \quad \quad 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& \quad \quad 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& \quad \quad 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \\
& 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} \\
& q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53}
\end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 +
\end{aligned}$$



$$\begin{aligned}
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& \quad q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 -
\end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \quad \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& \quad z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12}) - 72. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& \quad 8.19632 \times 10^{16} \sin[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& \quad 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& \quad 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& \quad 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& \quad 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& \quad 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& \quad 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& \quad 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& \quad 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& \quad 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& \quad 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& \quad \quad q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& \quad 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& \quad 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& \quad 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& \quad 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& \quad 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& \quad 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& \quad 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad \quad m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + \\
& \quad 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& \quad 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& \quad 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& \quad 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& \quad 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& \quad 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& \quad \quad m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& \quad 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& \quad 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& \quad 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& \quad 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& \quad 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& \quad 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& \quad \quad m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& \quad 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& \quad 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& \quad 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 -
\end{aligned}$$



$$\begin{aligned}
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2
\end{aligned}$$

$$\begin{aligned}
& v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
& \sqrt{(-4. (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& \quad v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \\
& \quad 3.27853 \times 10^{17} \text{Sin}[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
& \quad 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
& \quad 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 +
\end{aligned}$$

$$\begin{aligned}
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 & m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 & 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 & 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 & 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
 & \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
 & z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
 & m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
 & 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
 & 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
 & 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
 & \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
 & m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
 & q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
 & 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
 & \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
 & q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
 & v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
 & 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
 & 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - \\
 & 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + \\
 & 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
 & q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \sin[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 q^2 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} q^2 \\
 & v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
 & v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} )^3 + \\
 & (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 & 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 -
 \end{aligned}$$



$$\begin{aligned}
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - \\
 9. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
 & v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} -
 \end{aligned}$$

$$\begin{aligned}
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
 & 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
 & 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
 & \quad v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
 & 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& \quad v^4 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2
\end{aligned}$$

$$\begin{aligned}
 & v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} ) - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} -
 \end{aligned}$$



$$\begin{aligned}
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^2 \Big)^{1/3} \Big) - \\
& \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 \right. \right. \\
& \left. \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \\
& \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
& \left. \left. 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \right. \right. \\
& \left. \left. 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \\
& \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \\
& \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \right. \right. \\
& \left. \left. 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \right. \right. \\
& \left. \left. 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \right. \right. \\
& \left. \left. 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \right. \right.
\end{aligned}$$

$$\begin{aligned}
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
& 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
& 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + 2. \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} +
\end{aligned}$$



$$\begin{aligned}
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
 & \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
 & z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
 & 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
 & v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
 & 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
 & 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
 & 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
 & v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
 & \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
 & z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
 & 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
 & v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 & 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
 & v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
 & \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
 & z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
 & 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
 & 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
 & z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - 72. \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
 & q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
 & 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& \quad m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \\
& \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \\
& \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 \\
& z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& \quad v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} -
\end{aligned}$$



$$\begin{aligned}
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
\sqrt{(-4. (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
\quad v^2 \text{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - \\
\quad 3.27853 \times 10^{17} \text{Sin}[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
\quad 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
\quad 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
\quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
\quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
\quad 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
\quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
\quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
\quad 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
\quad 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
\quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
\quad 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
\quad 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
\quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
\quad 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
\quad 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
\quad 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
\quad 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
\quad 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
\quad 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
\quad 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
\quad 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
\quad 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
 & 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
 & 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
 & 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
 & 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + 12. \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
& 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 -
\end{aligned}$$

$$\begin{aligned}
 &7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
 &\quad m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 &2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 &1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} \\
 &\quad q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 &4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
 &1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
 &7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
 &8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
 &1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
 &8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
 &5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
 &7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
 &1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
 &1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
 &1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
 &1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
 &5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \\
 &\quad \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
 &\quad z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
 &\quad m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
 &8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
 &5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - \\
 &1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
 &5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - \\
 &8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
 &1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
 &3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
 &1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
 &1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
 &8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - \\
 &4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
 &1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \\
 &\quad \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
 &\quad z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
 &\quad q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
 &4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
 &8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
 &1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
 &2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
 &5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
 &3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
 &1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
 &4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 \\
& \quad v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 \\
& \quad v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \\
& \quad \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 \\
& \quad z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& \quad m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \\
& \quad \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& \quad m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
& \quad q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
 & \quad q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \\
 & \quad \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & \quad m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
 & 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 \\
 & \quad v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
 & \quad v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & \quad z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - \\
9. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
& 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 -
\end{aligned}$$



$$\begin{aligned}
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} + \\
2. & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + \\
27. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 +
\end{aligned}$$

$$\begin{aligned}
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} +
\end{aligned}$$

$$\begin{aligned}
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 \\
& v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
& v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
& (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 -
 \end{aligned}$$

$$\begin{aligned}
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} \\
& m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - \\
& 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \\
& \quad \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& \quad q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} +
\end{aligned}$$



$$\begin{aligned}
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \\
& \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^{1/3} \Big) / \\
& \left( (0. + 0. i) + 1.43146 \times 10^8 \text{Cos}[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - 1. v^2 - \right. \\
& \left. 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2 \right)^4 + \\
& \left( 0.25 \left( - \frac{1. q^3 \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4 \right)^3}{\left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right)^3} - \right. \right. \\
& \left. \left( 8. q \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \right. \right. \right. \\
& 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
& 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
& 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + \\
& 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
& 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
& \left. \left. \left. 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \right) \right) \right)
\end{aligned}$$

$$\begin{aligned}
& v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + \\
& 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
& z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - \\
& 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
& 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& \left( 1.22758 \times 10^{19} v^6 z^2 \operatorname{Sin}[\beta]^{12} - 34. v^8 z^2 \operatorname{Sin}[\beta]^{12} \right) / \\
& \left( \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \operatorname{Sin}[\beta]^2 + v^2 \operatorname{Sin}[\beta]^2 \right)^4 \right. \\
& \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^2 + \right. \\
& \quad \quad \left. \left. 8.19632 \times 10^{16} \operatorname{Sin}[\beta]^4 \right) \right) + \\
& \left( 4. q \left( -8.19632 \times 10^{16} + 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^2 - 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^4 \right) \right. \\
& \quad \left( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \right. \\
& \quad \quad 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
& \quad \quad 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& \quad \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
& \quad \quad 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
& \quad \quad 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& \quad \quad 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& \quad \quad 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 - \\
& \quad \quad 6.4175 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^2 + \\
& \quad \quad 2.85617 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 - \\
& \quad \quad 1.39034 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^2 - \\
& \quad \quad 4.76688 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
& \quad \quad m^2 v^6 \operatorname{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^2 - \\
& \quad \quad 2.86871 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 + \\
& \quad \quad 1.33698 \times 10^{85} z^2 \operatorname{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \operatorname{Sin}[\beta]^2 + \\
& \quad \quad 9.931 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^2 + \\
& \quad \quad 2.04908 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \operatorname{Sin}[\beta]^4 + \\
& \quad \quad 2.08569 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^4 - \\
& \quad \quad 9.28256 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 + \\
& \quad \quad 1.54924 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad \quad m^2 v^6 \operatorname{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^4 + \\
& \quad \quad 8.19632 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 - \\
& \quad \quad 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^4 - \\
& \quad \quad 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^4 - \\
& \quad \quad 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 - 8.02187 \times 10^{85} m^2 \operatorname{Sin}[\beta]^6 - \\
& \quad \quad 3.52962 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 + \\
& \quad \quad 1.57089 \times 10^{70} q^2 v^2 \operatorname{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^6 - \\
& \quad \quad 2.62178 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
& \quad \quad m^2 v^6 \operatorname{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^6 - \\
& \quad \quad 1.22945 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^6 + \\
& \quad \quad 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \operatorname{Sin}[\beta]^6 + \\
& \quad \quad 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^6 + \\
& \quad \quad 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \operatorname{Sin}[\beta]^8 + \\
& \quad \quad 3.28897 \times 10^{86} q^2 \operatorname{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^8 - \\
& \quad \quad 1.46379 \times 10^{70} q^2 v^2 \operatorname{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^8 + \\
& \quad \quad 2.44303 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^8 - 3.68324 \times 10^{35} \\
& \quad \quad m^2 v^6 \operatorname{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
 & 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
 & 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
 & 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
 & 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
 & 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
 & 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
 & \quad v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) ) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2 \right) \Big) / \\
 & \left( \sqrt{\left( \frac{0.25 q^2 (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2}{(2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4)^2} \right.} \right. \\
 & \left. (0.666667 (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - \right. \\
 & \quad 1.19007 \times 10^{68} m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + \\
 & \quad 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & \quad 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + \\
 & \quad 4.09816 \times 10^{16} m^2 v^8 + 1.22945 \times 10^{17} q^2 v^8 - \\
 & \quad 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & \quad 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
 & \quad 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
 & \quad 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
 & \quad \left. \left. 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& \quad m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
& 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
 & v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} \Big) / \\
 & \left( (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \right. \\
 & \left. (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \right. \\
 & \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \right) + (0.419974 \\
 & (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 & 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
 & 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
 & 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
 & 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - \\
 & 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
 & 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
 & 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
 & 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
 & 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 -
 \end{aligned}$$

$$\begin{aligned}
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
& 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
& 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
& 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - \\
& 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
 & 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
 & 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
 & 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
 & 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
 & 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 +
 \end{aligned}$$



$$\begin{aligned}
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
 & 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
 & 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
 & 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
 & 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
 & 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
 & 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
 & 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
 & 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
 & 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
 & 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
 & 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
 & 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
 & 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
 & 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
 & 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
 & 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} -
 \end{aligned}$$

$$\begin{aligned}
& 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big) \Big) / \\
& \left( (0. + 0. i) + 1.43146 \times 10^8 \cos[2. \beta] \right)^2 \left( 8.98755 \times 10^{16} - \right. \\
& \quad \left. 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \\
& \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \right. \\
& \quad \left( 2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 \right) \\
& \quad \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \\
& \quad \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& \quad \quad 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& \quad \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
& \quad \quad 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& \quad \quad 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& \quad \quad 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + \\
& \quad \quad 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
& \quad \quad 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& \quad \quad 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& \quad \quad 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
& \quad \quad 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^2 - \\
& \quad \quad 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - \\
& \quad \quad 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + \\
& \quad \quad 6.18837 \times 10^{69} q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
& \quad \quad 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& \quad \quad 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - \\
& \quad \quad 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
& \quad \quad 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - \\
& \quad \quad 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& \quad \quad 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& \quad \quad 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
& \quad \quad 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - \\
& \quad \quad 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + \\
& \quad \quad 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& \quad \quad 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - \\
& \quad \quad 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - \\
& \quad \quad 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& \quad \quad 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& \quad \quad 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& \quad \quad 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& \quad \quad 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
& \quad \quad \left. \left. 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \sin[\beta]^8 \right) \right)
\end{aligned}$$

$$\begin{aligned}
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
 & 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 9.01595 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - \\
 & 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - \\
 & 1.58896 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + \\
 & 1.13733 \times 10^{53} v^2 z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
 & 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times \\
 & 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} \\
 & v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
 & \beta)^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - \\
 & 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
 & 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
 & 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 + \\
 & 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + \\
 & 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
 & 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
 & 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 -
 \end{aligned}$$

$$\begin{aligned}
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + \\
& 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + \\
& 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
& 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
& 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
& 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} \\
& \quad q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
& 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + \\
& 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
& 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
& 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
 & 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
 & 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + \\
 & 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
 & 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + \\
 & 1.30908 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^{10} + \\
 & 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 4.09816 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
 2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 -
 \end{aligned}$$

$$\begin{aligned}
& 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
& 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2
\end{aligned}$$

$$\begin{aligned}
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 +
\end{aligned}$$



$$\begin{aligned}
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
 & 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
 & 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
 & 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + 5.9586 \times 10^{51} q^2 v^4 - \\
 & 1.4733 \times 10^{34} m^2 v^6 - 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} v^2 z^2 - \\
 & 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
 & 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
 & 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
 & 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
 & 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + \\
 & 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 - \\
 & 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + \\
 & 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 +
 \end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + \\
& 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
& 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
& 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + \\
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 -
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + \\
& 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) + \\
& \sqrt{\left(-4. \left(-3. q^2 \left(8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right.\right.\right. \\
& \quad \left.\left.\left. v^2 \text{Sin}[\beta]^2\right)^4 \left(-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \right.\right.\right. \\
& \quad \left.\left.\left. \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4\right) \left(-5.34792 \times 10^{84} m^2 - \right.\right.\right. \\
& \quad \left.\left.\left. 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \right.\right.\right. \\
& \quad \left.\left.\left. q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \right.\right.\right.
\end{aligned}$$

$$\begin{aligned}
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times \\
& \quad 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} \\
& \quad v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
& \quad \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} \\
& \quad m^2 v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \\
& \quad \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 \\
& \quad z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \\
& \quad \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} \\
& \quad z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \\
& \quad \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + 1.60437 \times 10^{86} \\
& \quad m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - 7.14043 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + \\
& 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \\
& \quad \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} \\
& \quad q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \\
& \quad \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} \\
& \quad v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \\
& \quad \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} \\
& \quad m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \\
& \quad \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 \\
& \quad z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& \quad q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& \quad m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
& \text{Sin}[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12} ) + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \\
& \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times \\
& 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times \\
& 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2
\end{aligned}$$

$$\begin{aligned}
 & \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
 & v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
 & 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
 & \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
 & q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
 & m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
 & \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} \\
 & v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
 & 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \\
 & \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + 7.14043 \times \\
 & 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - \\
 & 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} \\
 & m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - \\
 & 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \\
 & \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
 & v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \\
 & \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} \\
 & q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times \\
 & 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + \\
 & 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} \\
 & m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \\
 & \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
 & v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} )^2 + \\
 12. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
 & v^2 \sin[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \\
 & \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4) (1.33698 \times 10^{84} m^4 + \\
 & 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} \\
 & m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} \\
 & m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
 & 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
 & 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
 & 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 +
 \end{aligned}$$



$$\begin{aligned}
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} \\
& v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \\
& \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \\
& \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \\
& \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \\
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6
\end{aligned}$$

$$\begin{aligned}
& \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \\
& \sin[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \\
& \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \\
& \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \\
& \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} \\
& m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^8 + 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \\
& \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} \\
& m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
& m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \\
& \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - 4.09816 \times \\
& 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - 7.14043 \times 10^{68} \\
& m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} \\
& q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - \\
& 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \\
& \sin[\beta]^{10} - 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \\
& \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} \\
& m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 \\
& v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} \\
& m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 z^2 \sin[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \sin[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} \Big)^3 + \\
& (27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + \\
& v^2 \sin[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \sin[\beta]^2 + \\
& 8.19632 \times 10^{16} \sin[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
& 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} \\
& q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
& 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
& 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
& 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
& v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - \\
& 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \sin[\beta]^2 + 3.17792 \times \\
& 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 -
\end{aligned}$$

$$\begin{aligned}
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} \\
& q^2 v^2 \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
& \sin[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^6 + 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - 1.62868 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \\
& \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - 4.76029 \times \\
& 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + \\
& 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + \\
& 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + \\
& 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - 3.9724 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 z^2 \sin[\beta]^{10} - \\
& 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \\
& \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} \\
& m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53}
\end{aligned}$$

$$\begin{aligned}
& v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - \\
9. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
& (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} \\
& m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} \\
& v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
& 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
& 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
& 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \\
& \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - 2.06262 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \sin[\beta]^2 + \\
& 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \\
& \sin[\beta]^2 - 2.67396 \times 10^{85} z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 \\
& z^2 \sin[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \sin[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \sin[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \sin[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \sin[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \sin[\beta]^6 - 5.34792 \times 10^{85} z^2 \sin[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \sin[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^6 - 1.33698 \times 10^{86} m^2 \sin[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \sin[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \sin[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \sin[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \sin[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \sin[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \\
& \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^8 + \\
 & 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + \\
 & 1.06958 \times 10^{86} q^2 \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 \\
 & v^2 \sin[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + \\
 & 4.36964 \times 10^{52} m^2 v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} \\
 & q^2 v^4 \sin[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - \\
 & 5.89319 \times 10^{35} q^2 v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} \\
 & m^2 v^8 \sin[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - \\
 & 5.34792 \times 10^{84} z^2 \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
 & \sin[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} \\
 & v^6 z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
 & 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + \\
 & 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \\
 & \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
 & q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
 & m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
 & 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
 & z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12}) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
 & m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
 & v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
 & 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
 & m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
 & q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
 & 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
 & 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - \\
 & 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \\
 & \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \\
 & \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} \\
 & q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + \\
 & 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \\
 & \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
 & m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 -
 \end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - \\
& 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + \\
& 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - \\
& 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + 2.67396 \times 10^{85} z^2 \\
& \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \\
& \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \\
& \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} \\
& v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - \\
& 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \\
& \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 \\
& z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} ) + \\
2. & ( 2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68}
\end{aligned}$$

$$\begin{aligned}
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \\
& \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} \\
& v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17}
\end{aligned}$$



$$\begin{aligned}
& m^2 v^8 \operatorname{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \operatorname{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \operatorname{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \operatorname{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \operatorname{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \operatorname{Sin}[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 v^2 \operatorname{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \operatorname{Sin}[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \operatorname{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \operatorname{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \operatorname{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \operatorname{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \operatorname{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \operatorname{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \operatorname{Sin}[\beta]^{12} + 17. v^8 z^2 \operatorname{Sin}[\beta]^{12})^3 + \\
& 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
& \operatorname{Sin}[\beta]^2 + v^2 \operatorname{Sin}[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
& 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^2 - 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 + \\
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \operatorname{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \operatorname{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \operatorname{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \operatorname{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \\
& \operatorname{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \operatorname{Sin}[\beta]^2 - 5.9586 \times 10^{51} \\
& m^4 v^4 \operatorname{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \operatorname{Sin}[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \operatorname{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 \\
& v^6 \operatorname{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \operatorname{Sin}[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \operatorname{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \operatorname{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \operatorname{Sin}[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \operatorname{Sin}[\beta]^2 + 1.60437 \times 10^{85} \\
& m^2 z^2 \operatorname{Sin}[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \operatorname{Sin}[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \operatorname{Sin}[\beta]^2 - 5.95036 \times 10^{68}
\end{aligned}$$

$$\begin{aligned}
& q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 \\
& v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} \\
& q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} \\
& v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 \\
& q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 \\
& q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} \\
& m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 q^2 v^8 \sin[\beta]^4 + 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - 2.67396 \times 10^{85} \\
& q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} \\
& m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} \\
& z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} \\
& q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} \\
& q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} \\
& q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} \\
& q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4
\end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} \\
& q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + 4.07171 \times 10^{52} \\
& q^4 v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} \\
& q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^8 + 8.40123 \times 10^{17} \\
& q^4 v^8 \text{Sin}[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \\
& \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - 8.02187 \times 10^{84} \\
& m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} m^4 \\
& v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 \\
& v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
& q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
& v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} \\
& m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 \\
& v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} -
\end{aligned}$$

$$\begin{aligned}
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 \\
 & v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 \\
 & v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} \\
 & m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
 & m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12}) - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (2.67396 \times 10^{84} m^2 + \\
 & 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
 & v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
 & 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
 & 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
 & 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
 & m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
 & 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
 & q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
 & 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
 & 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} \\
 & v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
 & 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 \\
 & v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
 & m^2 v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
 & \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35}
 \end{aligned}$$

$$\begin{aligned}
& v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} \\
& q^2 v^2 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \sin[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} \\
& q^2 v^8 \sin[\beta]^6 + 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \\
& \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \\
& \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
& v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 \\
& z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 +
\end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} \\
& q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} \\
& q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} \\
& q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} \\
& q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 \\
& z^4 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} \\
& v^8 z^4 \text{Sin}[\beta]^2 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} \\
& q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} \\
& q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} \\
& q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} \\
& q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} \\
& q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2
\end{aligned}$$

$$\begin{aligned}
& v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 \\
& z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - \\
& 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} \\
& q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} \\
& q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} \\
& q^4 v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} \\
& q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - 9.01595 \times 10^{17} \\
& q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 \\
& z^4 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + \\
& 1.4733 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} \\
& v^8 z^4 \text{Sin}[\beta]^6 + 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + \\
& 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - \\
& 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 \\
& q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^8 + \\
& 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 \\
& q^2 v^4 \text{Sin}[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} \\
& m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 q^2 v^8 \text{Sin}[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} \\
& q^2 z^2 \text{Sin}[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^8 - 2.9793 \times 10^{52} \\
& m^2 v^4 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^8 + 2.00547 \times 10^{85} \\
& z^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^{10} - 2.94135 \times 10^{85} \\
& m^2 q^2 \text{Sin}[\beta]^{10} - 2.67396 \times 10^{85} q^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 q^2 v^2 \text{Sin}[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^{10} - 2.18482 \times 10^{52} m^2 \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} \\
& m^2 q^2 v^6 \text{Sin}[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 q^2 v^8 \text{Sin}[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} \\
& q^2 z^2 \text{Sin}[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} \\
& m^2 v^4 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} \\
& z^4 \text{Sin}[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} \\
& m^2 q^2 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 q^2 v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 \\
& q^2 v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} \\
& m^2 q^2 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 q^2 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} \\
& q^2 z^2 \text{Sin}[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} \\
& m^2 v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} \\
& q^2 v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
& 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 \\
& z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \text{Sin}[\beta]^{12} + \\
& 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} )^2 )^2 )^{1/3} ) +
\end{aligned}$$



$$\begin{aligned}
& \left( 0.264567 \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \right. \\
& \quad \left. \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - \right. \right. \\
& \quad \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \\
& \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \right. \right. \\
& \quad 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
& \quad 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
& \quad 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
& \quad 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
& \quad 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
& \quad 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
& \quad 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - \\
& \quad 1.6661 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} \\
& \quad q^2 v^2 \text{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + \\
& \quad 3.17792 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 \\
& \quad v^6 \text{Sin}[\beta]^2 - 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + \\
& \quad 5.73742 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 \\
& \quad v^8 \text{Sin}[\beta]^2 - 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + \\
& \quad 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 \\
& \quad z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^2 - \\
& \quad 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - \\
& \quad 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& \quad 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} \\
& \quad m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
& \quad 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 \\
& \quad v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& \quad 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \\
& \quad \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& \quad 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 \\
& \quad z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& \quad 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& \quad 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} \\
& \quad q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& \quad 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 \\
& \quad v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + \\
& \quad 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 \\
& \quad v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& \quad 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 \\
& \quad z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - \\
& \quad 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& \quad 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& \quad 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 \\
& \quad v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 +
\end{aligned}$$

$$\begin{aligned}
 & 7.36649 \times 10^{35} m^2 v^6 \sin[\beta]^8 + 1.2081 \times 10^{36} q^2 \\
 & v^6 \sin[\beta]^8 - 2.04908 \times 10^{18} m^2 v^8 \sin[\beta]^8 - \\
 & 3.36049 \times 10^{18} q^2 v^8 \sin[\beta]^8 + 2.67396 \times 10^{85} z^2 \\
 & \sin[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^8 + \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^8 - 1.4733 \times 10^{35} v^6 \\
 & z^2 \sin[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^8 + \\
 & 5.88271 \times 10^{85} m^2 \sin[\beta]^{10} + 1.06958 \times 10^{86} q^2 \\
 & \sin[\beta]^{10} - 2.61816 \times 10^{69} m^2 v^2 \sin[\beta]^{10} - \\
 & 4.76029 \times 10^{69} q^2 v^2 \sin[\beta]^{10} + 4.36964 \times 10^{52} m^2 \\
 & v^4 \sin[\beta]^{10} + 7.9448 \times 10^{52} q^2 v^4 \sin[\beta]^{10} - \\
 & 3.24125 \times 10^{35} m^2 v^6 \sin[\beta]^{10} - 5.89319 \times 10^{35} q^2 \\
 & v^6 \sin[\beta]^{10} + 9.01595 \times 10^{17} m^2 v^8 \sin[\beta]^{10} + \\
 & 1.63926 \times 10^{18} q^2 v^8 \sin[\beta]^{10} - 5.34792 \times 10^{84} z^2 \\
 & \sin[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \sin[\beta]^{10} - \\
 & 3.9724 \times 10^{51} v^4 z^2 \sin[\beta]^{10} + 2.94659 \times 10^{34} v^6 \\
 & z^2 \sin[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \sin[\beta]^{10} - \\
 & 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - 2.13917 \times 10^{85} q^2 \\
 & \sin[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2 \sin[\beta]^{12} + \\
 & 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 \\
 & v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} q^2 v^4 \sin[\beta]^{12} + \\
 & 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + 1.17864 \times 10^{35} q^2 \\
 & v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} m^2 v^8 \sin[\beta]^{12} - \\
 & 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - 2.87333 \times 10^{69} z^2 \\
 & \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \sin[\beta]^{12} - \\
 & 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + 1.22758 \times 10^{19} \\
 & v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - 9. q^2 \\
 & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 \\
 & (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - \\
 & 3.27853 \times 10^{17} \sin[\beta]^4) (-5.34792 \times 10^{84} m^2 - \\
 & 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} m^2 v^2 + \\
 & 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \\
 & 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \\
 & 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \\
 & 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - \\
 & 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - \\
 & 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + 4.27833 \times 10^{85} \\
 & q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
 & 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} m^2 \\
 & v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} q^2 \\
 & v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} z^2
 \end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^2 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} v^6 z^2 \\
& \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + \\
& 6.18837 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 + \\
& 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + 7.66115 \times 10^{35} q^2 \\
& v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^4 - \\
& 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} v^6 \\
& z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - \\
& 1.04726 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} \\
& m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - \\
& 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 \\
& v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - \\
& 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 \\
& z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} \\
& q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 \\
& v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 \\
& v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 \\
& z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} m^2 \\
& v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} q^2 \\
& v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} m^2 \\
& v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 \\
& z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 v^2
\end{aligned}$$

$$\begin{aligned}
& \text{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} q^2 \\
& v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} m^2 \\
& v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 z^2 \\
& \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} \\
& q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - \\
& 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 \\
& v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 \\
& v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} q^2 \\
& v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 z^2 \\
& \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} \\
& q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 \\
& v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 \\
& v^8 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 \\
& z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 \\
& v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 \\
& v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 \\
& v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 \\
& z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 \\
& v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
& v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \\
& \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 \\
& z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \\
& \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 \\
& v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \\
& \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12}) + \\
2. & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
& 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
& 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
& 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + \\
& 3.53591 \times 10^{35} q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 \\
& v^8 \sin[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 +
\end{aligned}$$

$$\begin{aligned}
& 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \sin[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
& \quad m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - 1.14917 \times 10^{36} q^2 \\
& \quad v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \sin[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + \\
& 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \sin[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& \quad q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 \\
& \quad v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& \quad m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} q^2 \\
& \quad v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - \\
& 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - 1.60437 \times 10^{86} \\
& \quad q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \sin[\beta]^{10} + \\
& 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 \\
& \quad v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} q^2 v^4 \sin[\beta]^{10} + \\
& 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + 8.83978 \times 10^{35} q^2 \\
& \quad v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 v^8 \sin[\beta]^{10} - \\
& 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + 2.67396 \times 10^{84} z^2 \\
& \quad \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} v^6 \\
& \quad z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} v^8 z^2 \sin[\beta]^{10} + \\
& 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + 3.20875 \times 10^{85} q^2 \\
& \quad \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \sin[\beta]^{12} - \\
& 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 \\
& \quad v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} q^2 v^4 \sin[\beta]^{12} - \\
& 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - 1.76796 \times 10^{35} q^2 \\
& \quad v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 v^8 \sin[\beta]^{12} +
\end{aligned}$$

$$\begin{aligned}
& 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + 1.43667 \times 10^{69} z^2 \\
& \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \sin[\beta]^{12} + \\
& 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} v^6 \\
& z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12})^3 + 27. q^2 \\
& (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2)^8 \\
& (-8.19632 \times 10^{16} + 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4)^2 \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \\
& \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \\
& \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} m^4 \\
& v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} m^2 \\
& z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} q^2 \\
& v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 \\
& z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} q^2 \\
& v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} v^4 \\
& z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + \\
& 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + 3.47615 \times 10^{85} \\
& q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 -
\end{aligned}$$

$$\begin{aligned}
& 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - 1.54709 \times 10^{69} \\
& q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + 2.58206 \times 10^{52} q^4 \\
& v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - 1.91529 \times 10^{35} \\
& q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + 5.32761 \times 10^{17} \\
& q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 \\
& z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& v^6 z^4 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} \\
& q^4 v^2 \text{Sin}[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^6 - \\
& 5.9586 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^6 - 4.36964 \times 10^{52} q^4 \\
& v^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^6 + 3.24125 \times 10^{35} \\
& q^4 v^6 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \text{Sin}[\beta]^6 - 9.01595 \times 10^{17} \\
& q^4 v^8 \text{Sin}[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 \\
& z^2 \text{Sin}[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \text{Sin}[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 \\
& z^2 \text{Sin}[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \text{Sin}[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^6 + 8.19632 \times 10^{17} m^2 \\
& v^8 z^2 \text{Sin}[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \text{Sin}[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \text{Sin}[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \text{Sin}[\beta]^6 + 1.4733 \times 10^{35} v^6 \\
& z^4 \text{Sin}[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \text{Sin}[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^8 - 2.43965 \times 10^{69} \\
& q^4 v^2 \text{Sin}[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \text{Sin}[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^8 + 4.07171 \times 10^{52} q^4 \\
& v^4 \text{Sin}[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^8 - 3.02026 \times 10^{35} \\
& q^4 v^6 \text{Sin}[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^8 +
\end{aligned}$$



$$\begin{aligned}
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + 8.40123 \times 10^{17} \\
& q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 \\
& z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 \\
& q^2 \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 \\
& v^2 \sin[\beta]^{10} + 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 \\
& v^4 \sin[\beta]^{10} - 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 \\
& q^2 v^6 \sin[\beta]^{10} + 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 \\
& v^8 \sin[\beta]^{10} - 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \\
& \sin[\beta]^{10} - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 \\
& v^4 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} q^2 \\
& v^6 z^2 \sin[\beta]^{10} + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} \\
& z^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 \\
& z^4 \sin[\beta]^{10} - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + \\
& 1.33698 \times 10^{84} m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 \\
& q^2 \sin[\beta]^{12} + 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - \\
& 5.95036 \times 10^{67} m^4 v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 \\
& v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + \\
& 9.931 \times 10^{50} m^4 v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 \\
& v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - \\
& 7.36649 \times 10^{33} m^4 v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 \\
& v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + \\
& 2.04908 \times 10^{16} m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 \\
& v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - \\
& 2.67396 \times 10^{84} m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \\
& \sin[\beta]^{12} + 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - \\
& 5.68665 \times 10^{52} q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2
\end{aligned}$$

$$\begin{aligned}
 & v^4 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.4733 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 \\
 & v^6 z^2 \text{Sin}[\beta]^{12} - 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \text{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - \\
 72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^4 \\
 & (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
 & 8.19632 \times 10^{16} \text{Sin}[\beta]^4) \\
 & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
 & 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
 & 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
 & 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
 & 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + \\
 & 1.19007 \times 10^{68} v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + \\
 & 1.4733 \times 10^{34} v^6 z^2 - 4.09816 \times 10^{16} v^8 z^2 - \\
 & 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + \\
 & 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - \\
 & 1.39034 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} \\
 & q^2 v^4 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + \\
 & 3.53591 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 \\
 & v^8 \text{Sin}[\beta]^2 - 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
 & 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 \\
 & z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
 & 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \text{Sin}[\beta]^4 - \\
 & 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + \\
 & 3.9724 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - \\
 & 1.14917 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 \\
 & v^8 \text{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - \\
 & 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 \\
 & z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
 & 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
 & 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} \\
 & q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
 & 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 \\
 & v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
 & 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 \\
 & v^8 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
 & 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4
 \end{aligned}$$

$$\begin{aligned}
& z^2 \operatorname{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \operatorname{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \operatorname{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \operatorname{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \operatorname{Sin}[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 v^4 \operatorname{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \operatorname{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^8 - 1.81216 \times 10^{36} q^2 \\
& v^6 \operatorname{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \operatorname{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \operatorname{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{68} v^2 z^2 \operatorname{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \operatorname{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \operatorname{Sin}[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \operatorname{Sin}[\beta]^{10} + 1.30908 \times 10^{69} m^2 v^2 \\
& \operatorname{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^{10} - 1.19172 \times 10^{53} q^2 \\
& v^4 \operatorname{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 \\
& v^8 \operatorname{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \operatorname{Sin}[\beta]^{10} - 1.19007 \times 10^{68} v^2 z^2 \\
& \operatorname{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \operatorname{Sin}[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^{10} + 4.09816 \times 10^{16} v^8 \\
& z^2 \operatorname{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \operatorname{Sin}[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \operatorname{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 v^2 \\
& \operatorname{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \operatorname{Sin}[\beta]^{12} + 2.38344 \times 10^{52} q^2 \\
& v^4 \operatorname{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \operatorname{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 \\
& v^8 \operatorname{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \operatorname{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 z^2 \\
& \operatorname{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \operatorname{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \operatorname{Sin}[\beta]^{12} + 17. v^8 z^2 \operatorname{Sin}[\beta]^{12}) \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + 1.33698 \times 10^{84} q^4 - \\
& 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} m^2 q^2 v^2 - \\
& 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 +
\end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 \\
& \quad q^2 v^2 \sin[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 \\
& \quad v^4 \sin[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 \\
& \quad q^2 v^6 \sin[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 \\
& \quad q^2 v^8 \sin[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 \\
& \quad z^2 \sin[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 \\
& \quad v^4 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 \\
& \quad v^6 z^2 \sin[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} \\
& \quad z^4 \sin[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} v^6 \\
& \quad z^4 \sin[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^4 - \\
& 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - 1.54709 \times 10^{69} \\
& \quad q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + 2.58206 \times 10^{52} q^4 \\
& \quad v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - 1.91529 \times 10^{35} \\
& \quad q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^4 + \\
& 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + 5.32761 \times 10^{17} \\
& \quad q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + 1.78511 \times 10^{69} m^2 v^2 \\
& \quad z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^4 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - 1.9862 \times 10^{52} q^2 v^4 \\
& \quad z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^4 + \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^4 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^4 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 v^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + 2.61816 \times 10^{69} \\
& \quad q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 \\
& \quad v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + \\
& 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} \\
& \quad q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} \\
& \quad q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 \\
& \quad z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + \\
& 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 \\
& \quad z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - \\
& 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - \\
& 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 \\
& \quad z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} \\
& \quad q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + \\
& 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 \\
& \quad v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} \\
& \quad q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + \\
& 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + 8.40123 \times 10^{17} \\
& \quad q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 \\
& \quad z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - \\
& 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 \\
& \quad z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 \\
& \quad v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + \\
& 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& \quad v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 v^4 \\
& \quad \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 v^6 \\
& \quad \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 v^8 \\
& \quad \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} m^2
\end{aligned}$$

$$\begin{aligned}
 & z^2 \operatorname{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \operatorname{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \operatorname{Sin}[\beta]^{10} - 1.19007 \times 10^{68} q^2 \\
 & v^2 z^2 \operatorname{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \operatorname{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \operatorname{Sin}[\beta]^{10} - 8.83978 \times 10^{34} m^2 \\
 & v^6 z^2 \operatorname{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \operatorname{Sin}[\beta]^{10} + \\
 & 2.4589 \times 10^{17} m^2 v^8 z^2 \operatorname{Sin}[\beta]^{10} + 4.09816 \times 10^{16} q^2 \\
 & v^8 z^2 \operatorname{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \operatorname{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \operatorname{Sin}[\beta]^{10} - 5.9586 \times 10^{51} v^4 \\
 & z^4 \operatorname{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \operatorname{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} v^8 z^4 \operatorname{Sin}[\beta]^{10} + 1.33698 \times 10^{84} m^4 \\
 & \operatorname{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \operatorname{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \operatorname{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 v^2 \\
 & \operatorname{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \operatorname{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \operatorname{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 v^4 \\
 & \operatorname{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \operatorname{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \operatorname{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 v^6 \\
 & \operatorname{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \operatorname{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \operatorname{Sin}[\beta]^{12} + 2.04908 \times 10^{16} m^4 v^8 \\
 & \operatorname{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \operatorname{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \operatorname{Sin}[\beta]^{12} - 2.67396 \times 10^{84} m^2 \\
 & z^2 \operatorname{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \operatorname{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \operatorname{Sin}[\beta]^{12} - 5.68665 \times 10^{52} q^2 \\
 & v^2 z^2 \operatorname{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \operatorname{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \operatorname{Sin}[\beta]^{12} + 1.4733 \times 10^{34} m^2 \\
 & v^6 z^2 \operatorname{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \operatorname{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \operatorname{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \operatorname{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \operatorname{Sin}[\beta]^{12} + \\
 & 9.931 \times 10^{50} v^4 z^4 \operatorname{Sin}[\beta]^{12} - 7.36649 \times 10^{33} v^6 \\
 & z^4 \operatorname{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \operatorname{Sin}[\beta]^{12}) + \\
 & \sqrt{(-4. (-3. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
 & \operatorname{Sin}[\beta]^2 + v^2 \operatorname{Sin}[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^2 - 3.27853 \times 10^{17} \operatorname{Sin}[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \\
 & 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
 & 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 & 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + 3.9724 \times 10^{51} \\
 & v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + 8.19632 \times 10^{16} v^8 z^2 + \\
 & 3.74354 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 + 4.27833 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 - \\
 & 1.6661 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \\
 & \operatorname{Sin}[\beta]^2 + 2.78068 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^2 + 3.17792 \times 10^{52}
 \end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \\
& \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + 1.74786 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} \\
& m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} v^2 z^2 \\
& \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} \\
& v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + \\
& 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - \\
& 2.61816 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \\
& \text{Sin}[\beta]^{10} + 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 z^2 \\
& \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + 2.94659 \times 10^{34} \\
& v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} v^8 z^2 \text{Sin}[\beta]^{10} - \\
& 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + \\
& 4.76029 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2
\end{aligned}$$

$$\begin{aligned}
& \sin[\beta]^{12} - 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12} + \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \sin[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \sin[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \sin[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \\
& \sin[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \\
& \sin[\beta]^4 + 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + \\
& 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2
\end{aligned}$$



$$\begin{aligned}
& \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - \\
& 1.81216 \times 10^{36} q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - \\
& 1.33698 \times 10^{85} z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^8 + \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \sin[\beta]^{10} - \\
& 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& v^2 z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} \\
& m^2 v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
& v^2 z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \Big)^2 + \\
12. & \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \right. \\
& \left. \sin[\beta]^2 + v^2 \sin[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - \right. \\
& 8.19632 \times 10^{16} \sin[\beta]^2 + 8.19632 \times 10^{16} \sin[\beta]^4 \Big) \\
& \left( 1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \right. \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - 1.19007 \times 10^{68} \\
& m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + 9.931 \times 10^{50} m^4 v^4 + \\
& 1.9862 \times 10^{51} m^2 q^2 v^4 + 9.931 \times 10^{50} q^4 v^4 - \\
& 7.36649 \times 10^{33} m^4 v^6 - 1.4733 \times 10^{34} m^2 q^2 v^6 - \\
& 7.36649 \times 10^{33} q^4 v^6 + 2.04908 \times 10^{16} m^4 v^8 + \\
& 4.09816 \times 10^{16} m^2 q^2 v^8 + 2.04908 \times 10^{16} q^4 v^8 - \\
& 2.67396 \times 10^{84} m^2 z^2 - 2.67396 \times 10^{84} q^2 z^2 + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 + 1.19007 \times 10^{68} q^2 v^2 z^2 - \\
& 1.9862 \times 10^{51} m^2 v^4 z^2 - 1.9862 \times 10^{51} q^2 v^4 z^2 + \\
& 1.4733 \times 10^{34} m^2 v^6 z^2 + 1.4733 \times 10^{34} q^2 v^6 z^2 - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 - 4.09816 \times 10^{16} q^2 v^8 z^2 + \\
& 1.33698 \times 10^{84} z^4 - 5.95036 \times 10^{67} v^2 z^4 +
\end{aligned}$$

$$\begin{aligned}
& 9.931 \times 10^{50} v^4 z^4 - 7.36649 \times 10^{33} v^6 z^4 + \\
& 2.04908 \times 10^{16} v^8 z^4 - 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - \\
& 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + \\
& 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 \\
& \quad q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& \quad m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^2 + \\
& 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + 1.03131 \times 10^{35} \\
& \quad m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^2 - \\
& 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} \\
& \quad m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^2 + \\
& 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} \\
& \quad q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^2 - \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + 1.19172 \times 10^{52} \\
& \quad m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^2 - \\
& 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} \\
& \quad q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - 8.02187 \times 10^{84} \\
& \quad z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^2 - \\
& 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& \quad v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \\
& \quad \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} \\
& \quad m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} \\
& \quad m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& \quad m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& \quad m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} \\
& \quad m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} \\
& \quad q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} \\
& \quad m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} \\
& \quad q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} \\
& \quad v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} m^4 \text{Sin}[\beta]^6 - \\
& 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 - 5.88271 \times 10^{85} q^4 \text{Sin}[\beta]^6 + \\
& 1.19007 \times 10^{69} m^4 v^2 \text{Sin}[\beta]^6 + 3.57022 \times 10^{69} m^2 \\
& \quad q^2 v^2 \text{Sin}[\beta]^6 + 2.61816 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} m^4 v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 \\
& \quad q^2 v^4 \sin[\beta]^6 - 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + \\
& 1.4733 \times 10^{35} m^4 v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} \\
& \quad m^2 q^2 v^6 \sin[\beta]^6 + 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& \quad m^2 q^2 v^8 \sin[\beta]^6 - 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + \\
& 5.34792 \times 10^{85} m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} \\
& \quad q^2 z^2 \sin[\beta]^6 - 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - \\
& 1.19007 \times 10^{69} q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} \\
& \quad m^2 v^4 z^2 \sin[\beta]^6 + 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - \\
& 2.94659 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} \\
& \quad q^2 v^6 z^2 \sin[\beta]^6 + 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} \\
& \quad z^4 \sin[\beta]^6 + 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - \\
& 1.9862 \times 10^{52} v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^6 - 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + \\
& 2.00547 \times 10^{85} m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 v^2 \sin[\beta]^8 - \\
& 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - 2.43965 \times 10^{69} q^4 v^2 \\
& \quad \sin[\beta]^8 + 1.48965 \times 10^{52} m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& \quad m^2 q^2 v^4 \sin[\beta]^8 + 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - \\
& 1.10497 \times 10^{35} m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} \\
& \quad m^2 q^2 v^6 \sin[\beta]^8 - 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} \\
& \quad m^2 q^2 v^8 \sin[\beta]^8 + 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - \\
& 4.01094 \times 10^{85} m^2 z^2 \sin[\beta]^8 - 1.33698 \times 10^{85} \\
& \quad q^2 z^2 \sin[\beta]^8 + 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + \\
& 5.95036 \times 10^{68} q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} \\
& \quad m^2 v^4 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + \\
& 2.20995 \times 10^{35} m^2 v^6 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} \\
& \quad q^2 v^6 z^2 \sin[\beta]^8 - 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} \\
& \quad z^4 \sin[\beta]^8 - 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + \\
& 1.48965 \times 10^{52} v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& \quad v^6 z^4 \sin[\beta]^8 + 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \\
& \quad \sin[\beta]^{10} - 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} \\
& \quad m^4 v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& \quad m^4 v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} \\
& \quad m^4 v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} \\
& \quad m^4 v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
 & 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
 & m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
 & 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
 & q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
 & 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
 & q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
 & 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
 & v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
 & 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} \\
 & m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
 & 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 \\
 & v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 \\
 & v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & m^4 v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} \\
 & m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
 & m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
 & 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
 & \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
 & v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} \Big)^3 + \\
 & \left( 27. q^2 \left( 8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \right. \right. \\
 & \left. \left. v^2 \text{Sin}[\beta]^2 \right)^4 \left( 2.04908 \times 10^{16} - \right. \right. \\
 & \left. \left. 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + 8.19632 \times 10^{16} \text{Sin}[\beta]^4 \right) \right. \\
 & \left. \left( -5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + 2.38014 \times 10^{68} \right. \right. \\
 & \left. \left. m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - 3.9724 \times 10^{51} m^2 v^4 - \right. \right. \\
 & \left. \left. 3.9724 \times 10^{51} q^2 v^4 + 2.94659 \times 10^{34} m^2 v^6 + \right. \right. \\
 & \left. \left. 2.94659 \times 10^{34} q^2 v^6 - 8.19632 \times 10^{16} m^2 v^8 - \right. \right. \\
 & \left. \left. 8.19632 \times 10^{16} q^2 v^8 + 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} \right. \right. \\
 & \left. \left. v^2 z^2 + 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \right. \right. \\
 & \left. \left. 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \text{Sin}[\beta]^2 + \right. \right. \\
 & \left. \left. 4.27833 \times 10^{85} q^2 \text{Sin}[\beta]^2 - 1.6661 \times 10^{69} m^2 \right. \right. \\
 & \left. \left. v^2 \text{Sin}[\beta]^2 - 1.90412 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 + \right. \right.
 \end{aligned}$$

$$\begin{aligned}
& 2.78068 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^2 + 3.17792 \times 10^{52} \\
& \quad q^2 v^4 \text{Sin}[\beta]^2 - 2.06262 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 - \\
& 2.35728 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^2 + 5.73742 \times 10^{17} \\
& \quad m^2 v^8 \text{Sin}[\beta]^2 + 6.55706 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 - \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^2 - 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^2 + 1.4733 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{86} m^2 \text{Sin}[\beta]^4 - 1.39046 \times 10^{86} q^2 \text{Sin}[\beta]^4 + \\
& 4.76029 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 + 6.18837 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^4 - 1.03282 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^4 + 5.89319 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 + \\
& 7.66115 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^4 - 1.63926 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^4 - 2.13104 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 + \\
& 1.60437 \times 10^{86} m^2 \text{Sin}[\beta]^6 + 2.35308 \times 10^{86} q^2 \text{Sin}[\beta]^6 - \\
& 7.14043 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 - 1.04726 \times 10^{70} \\
& \quad q^2 v^2 \text{Sin}[\beta]^6 + 1.19172 \times 10^{53} m^2 v^4 \text{Sin}[\beta]^6 + \\
& 1.74786 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \\
& \quad \text{Sin}[\beta]^6 - 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^6 + 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - \\
& 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + 2.38014 \times 10^{69} v^2 z^2 \\
& \quad \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} \\
& \quad v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 - \\
& 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + \\
& 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + 9.75859 \times 10^{69} q^2 v^2 \\
& \quad \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - 1.62868 \times 10^{53} \\
& \quad q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 + \\
& 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - 2.04908 \times 10^{18} \\
& \quad m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 + \\
& 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - 1.19007 \times 10^{69} \\
& \quad v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^8 - \\
& 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + 4.09816 \times 10^{17} \\
& \quad v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \text{Sin}[\beta]^{10} + \\
& 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} \\
& \quad m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& \quad q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& \quad m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} \\
& \quad v^2 z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16}
\end{aligned}$$

$$\begin{aligned}
 & v^8 z^2 \sin[\beta]^{10} - 1.06958 \times 10^{85} m^2 \sin[\beta]^{12} - \\
 & 2.13917 \times 10^{85} q^2 \sin[\beta]^{12} + 4.76029 \times 10^{68} \\
 & m^2 v^2 \sin[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \sin[\beta]^{12} - \\
 & 7.9448 \times 10^{51} m^2 v^4 \sin[\beta]^{12} - 1.58896 \times 10^{52} \\
 & q^2 v^4 \sin[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \sin[\beta]^{12} + \\
 & 1.17864 \times 10^{35} q^2 v^6 \sin[\beta]^{12} - 1.63926 \times 10^{17} \\
 & m^2 v^8 \sin[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \sin[\beta]^{12} - \\
 & 2.87333 \times 10^{69} z^2 \sin[\beta]^{12} + 1.13733 \times 10^{53} \\
 & v^2 z^2 \sin[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \sin[\beta]^{12} + \\
 & 1.22758 \times 10^{19} v^6 z^2 \sin[\beta]^{12} - 34. v^8 z^2 \sin[\beta]^{12})^2 - \\
 9. & q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
 & \sin[\beta]^2 + v^2 \sin[\beta]^2)^4 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \sin[\beta]^2 - 3.27853 \times 10^{17} \sin[\beta]^4) \\
 & (-5.34792 \times 10^{84} m^2 - 5.34792 \times 10^{84} q^2 + \\
 & 2.38014 \times 10^{68} m^2 v^2 + 2.38014 \times 10^{68} q^2 v^2 - \\
 & 3.9724 \times 10^{51} m^2 v^4 - 3.9724 \times 10^{51} q^2 v^4 + \\
 & 2.94659 \times 10^{34} m^2 v^6 + 2.94659 \times 10^{34} q^2 v^6 - \\
 & 8.19632 \times 10^{16} m^2 v^8 - 8.19632 \times 10^{16} q^2 v^8 + \\
 & 5.34792 \times 10^{84} z^2 - 2.38014 \times 10^{68} v^2 z^2 + \\
 & 3.9724 \times 10^{51} v^4 z^2 - 2.94659 \times 10^{34} v^6 z^2 + \\
 & 8.19632 \times 10^{16} v^8 z^2 + 3.74354 \times 10^{85} m^2 \sin[\beta]^2 + \\
 & 4.27833 \times 10^{85} q^2 \sin[\beta]^2 - 1.6661 \times 10^{69} m^2 v^2 \sin[\beta]^2 - \\
 & 1.90412 \times 10^{69} q^2 v^2 \sin[\beta]^2 + 2.78068 \times 10^{52} \\
 & m^2 v^4 \sin[\beta]^2 + 3.17792 \times 10^{52} q^2 v^4 \sin[\beta]^2 - \\
 & 2.06262 \times 10^{35} m^2 v^6 \sin[\beta]^2 - 2.35728 \times 10^{35} \\
 & q^2 v^6 \sin[\beta]^2 + 5.73742 \times 10^{17} m^2 v^8 \sin[\beta]^2 + \\
 & 6.55706 \times 10^{17} q^2 v^8 \sin[\beta]^2 - 2.67396 \times 10^{85} \\
 & z^2 \sin[\beta]^2 + 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^2 - \\
 & 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^2 + 1.4733 \times 10^{35} v^6 \\
 & z^2 \sin[\beta]^2 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^2 - \\
 & 1.06958 \times 10^{86} m^2 \sin[\beta]^4 - 1.39046 \times 10^{86} q^2 \sin[\beta]^4 + \\
 & 4.76029 \times 10^{69} m^2 v^2 \sin[\beta]^4 + 6.18837 \times 10^{69} \\
 & q^2 v^2 \sin[\beta]^4 - 7.9448 \times 10^{52} m^2 v^4 \sin[\beta]^4 - \\
 & 1.03282 \times 10^{53} q^2 v^4 \sin[\beta]^4 + 5.89319 \times 10^{35} \\
 & m^2 v^6 \sin[\beta]^4 + 7.66115 \times 10^{35} q^2 v^6 \sin[\beta]^4 - \\
 & 1.63926 \times 10^{18} m^2 v^8 \sin[\beta]^4 - 2.13104 \times 10^{18} \\
 & q^2 v^8 \sin[\beta]^4 + 5.34792 \times 10^{85} z^2 \sin[\beta]^4 - \\
 & 2.38014 \times 10^{69} v^2 z^2 \sin[\beta]^4 + 3.9724 \times 10^{52} \\
 & v^4 z^2 \sin[\beta]^4 - 2.94659 \times 10^{35} v^6 z^2 \sin[\beta]^4 + \\
 & 8.19632 \times 10^{17} v^8 z^2 \sin[\beta]^4 + 1.60437 \times 10^{86} m^2 \\
 & \sin[\beta]^6 + 2.35308 \times 10^{86} q^2 \sin[\beta]^6 - 7.14043 \times 10^{69} \\
 & m^2 v^2 \sin[\beta]^6 - 1.04726 \times 10^{70} q^2 v^2 \sin[\beta]^6 + \\
 & 1.19172 \times 10^{53} m^2 v^4 \sin[\beta]^6 + 1.74786 \times 10^{53}
 \end{aligned}$$

$$\begin{aligned}
& q^2 v^4 \text{Sin}[\beta]^6 - 8.83978 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.2965 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 + 2.4589 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 + \\
& 3.60638 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^6 - 5.34792 \times 10^{85} z^2 \text{Sin}[\beta]^6 + \\
& 2.38014 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 - 3.9724 \times 10^{52} v^4 z^2 \\
& \text{Sin}[\beta]^6 + 2.94659 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 - 8.19632 \times 10^{17} \\
& v^8 z^2 \text{Sin}[\beta]^6 - 1.33698 \times 10^{86} m^2 \text{Sin}[\beta]^8 - \\
& 2.19265 \times 10^{86} q^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 + \\
& 9.75859 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 - \\
& 1.62868 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 + 7.36649 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^8 + 1.2081 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 - 3.36049 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^8 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^8 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^8 + 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^8 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^8 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 + 5.88271 \times 10^{85} m^2 \\
& \text{Sin}[\beta]^{10} + 1.06958 \times 10^{86} q^2 \text{Sin}[\beta]^{10} - 2.61816 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^{10} - 4.76029 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} + \\
& 4.36964 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} + 7.9448 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{10} - 3.24125 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} - \\
& 5.89319 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} + 9.01595 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{10} + 1.63926 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 5.34792 \times 10^{84} z^2 \text{Sin}[\beta]^{10} + 2.38014 \times 10^{68} v^2 \\
& z^2 \text{Sin}[\beta]^{10} - 3.9724 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 2.94659 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} - 8.19632 \times 10^{16} \\
& v^8 z^2 \text{Sin}[\beta]^{10} - 1.06958 \times 10^{85} m^2 \text{Sin}[\beta]^{12} - \\
& 2.13917 \times 10^{85} q^2 \text{Sin}[\beta]^{12} + 4.76029 \times 10^{68} m^2 \\
& v^2 \text{Sin}[\beta]^{12} + 9.52058 \times 10^{68} q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 7.9448 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} - 1.58896 \times 10^{52} \\
& q^2 v^4 \text{Sin}[\beta]^{12} + 5.89319 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} + \\
& 1.17864 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} - 1.63926 \times 10^{17} \\
& m^2 v^8 \text{Sin}[\beta]^{12} - 3.27853 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} - \\
& 2.87333 \times 10^{69} z^2 \text{Sin}[\beta]^{12} + 1.13733 \times 10^{53} v^2 \\
& z^2 \text{Sin}[\beta]^{12} - 1.73839 \times 10^{36} v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 1.22758 \times 10^{19} v^6 z^2 \text{Sin}[\beta]^{12} - 34. v^8 z^2 \text{Sin}[\beta]^{12}) \\
& (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^4 \sin[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \sin[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \sin[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \sin[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \sin[\beta]^2 + 1.33698 \times 10^{85} z^2 \sin[\beta]^2 - \\
& 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^2 + 9.931 \times 10^{51} v^4 z^2 \sin[\beta]^2 - \\
& 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} \\
& v^8 z^2 \sin[\beta]^2 + 5.34792 \times 10^{85} m^2 \sin[\beta]^4 + \\
& 2.08569 \times 10^{86} q^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 \\
& v^2 \sin[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \sin[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \sin[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \sin[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \sin[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \sin[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \sin[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \sin[\beta]^6 - 3.52962 \times 10^{86} q^2 \sin[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \sin[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \sin[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \sin[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \sin[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \sin[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \sin[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} v^4 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \sin[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \sin[\beta]^6 + 6.6849 \times 10^{85} m^2 \sin[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \sin[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \sin[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 v^4 \sin[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \sin[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \sin[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \sin[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \sin[\beta]^8 - 1.33698 \times 10^{85} z^2 \\
& \sin[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \sin[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \sin[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \sin[\beta]^8 - 2.94135 \times 10^{85} m^2 \\
& \sin[\beta]^{10} - 1.60437 \times 10^{86} q^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \sin[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \sin[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \sin[\beta]^{10} - 1.19172 \times 10^{53} \\
& q^2 v^4 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \sin[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \sin[\beta]^{10} - 4.50798 \times 10^{17} \\
& m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} +
\end{aligned}$$



$$\begin{aligned}
& 3.20875 \times 10^{85} q^2 \operatorname{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
& v^2 \operatorname{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \operatorname{Sin}[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \operatorname{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \operatorname{Sin}[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \operatorname{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \operatorname{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \operatorname{Sin}[\beta]^{12} - 5.68665 \times 10^{52} v^2 \\
& z^2 \operatorname{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \operatorname{Sin}[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \operatorname{Sin}[\beta]^{12} + 17. v^8 z^2 \operatorname{Sin}[\beta]^{12}) + \\
2. & (2.67396 \times 10^{84} m^2 + 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} \\
& m^2 v^2 - 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 - \\
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \operatorname{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \operatorname{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \operatorname{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 v^4 \operatorname{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \operatorname{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \operatorname{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \operatorname{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \operatorname{Sin}[\beta]^2 + 1.33698 \times 10^{85} z^2 \\
& \operatorname{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \operatorname{Sin}[\beta]^2 + 9.931 \times 10^{51} \\
& v^4 z^2 \operatorname{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 z^2 \operatorname{Sin}[\beta]^2 + \\
& 2.04908 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^2 + 5.34792 \times 10^{85} m^2 \\
& \operatorname{Sin}[\beta]^4 + 2.08569 \times 10^{86} q^2 \operatorname{Sin}[\beta]^4 - 2.38014 \times 10^{69} \\
& m^2 v^2 \operatorname{Sin}[\beta]^4 - 9.28256 \times 10^{69} q^2 v^2 \operatorname{Sin}[\beta]^4 + \\
& 3.9724 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^4 + 1.54924 \times 10^{53} \\
& q^2 v^4 \operatorname{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^4 - \\
& 1.14917 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^4 + 8.19632 \times 10^{17} \\
& m^2 v^8 \operatorname{Sin}[\beta]^4 + 3.19657 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^4 - \\
& 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \\
& \operatorname{Sin}[\beta]^4 - 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^4 + 1.4733 \times 10^{35} \\
& v^6 z^2 \operatorname{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \operatorname{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \operatorname{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \operatorname{Sin}[\beta]^6 + 1.57089 \times 10^{70} q^2 v^2 \\
& \operatorname{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \operatorname{Sin}[\beta]^6 - 2.62178 \times 10^{53} \\
& q^2 v^4 \operatorname{Sin}[\beta]^6 + 4.41989 \times 10^{35} m^2 v^6 \operatorname{Sin}[\beta]^6 + \\
& 1.94475 \times 10^{36} q^2 v^6 \operatorname{Sin}[\beta]^6 - 1.22945 \times 10^{18} \\
& m^2 v^8 \operatorname{Sin}[\beta]^6 - 5.40957 \times 10^{18} q^2 v^8 \operatorname{Sin}[\beta]^6 + \\
& 2.67396 \times 10^{85} z^2 \operatorname{Sin}[\beta]^6 - 1.19007 \times 10^{69} v^2 z^2 \\
& \operatorname{Sin}[\beta]^6 + 1.9862 \times 10^{52} v^4 z^2 \operatorname{Sin}[\beta]^6 - 1.4733 \times 10^{35} \\
& v^6 z^2 \operatorname{Sin}[\beta]^6 + 4.09816 \times 10^{17} v^8 z^2 \operatorname{Sin}[\beta]^6 +
\end{aligned}$$

$$\begin{aligned}
 & 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - \\
 & 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - 1.46379 \times 10^{70} q^2 v^2 \\
 & \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^8 - 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - \\
 & 1.81216 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} \\
 & m^2 v^8 \text{Sin}[\beta]^8 + 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - \\
 & 1.33698 \times 10^{85} z^2 \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} \\
 & v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^8 + \\
 & 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - 2.04908 \times 10^{17} \\
 & v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \text{Sin}[\beta]^{10} - \\
 & 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
 & m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
 & 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} \\
 & q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
 & 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} \\
 & m^2 v^8 \text{Sin}[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^{10} + \\
 & 2.67396 \times 10^{84} z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
 & v^2 z^2 \text{Sin}[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^{10} - \\
 & 1.4733 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
 & v^8 z^2 \text{Sin}[\beta]^{10} + 5.34792 \times 10^{84} m^2 \text{Sin}[\beta]^{12} + \\
 & 3.20875 \times 10^{85} q^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} \\
 & m^2 v^2 \text{Sin}[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{12} + \\
 & 3.9724 \times 10^{51} m^2 v^4 \text{Sin}[\beta]^{12} + 2.38344 \times 10^{52} \\
 & q^2 v^4 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \text{Sin}[\beta]^{12} - \\
 & 1.76796 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} \\
 & m^2 v^8 \text{Sin}[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^{12} + \\
 & 1.43667 \times 10^{69} z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
 & v^2 z^2 \text{Sin}[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \text{Sin}[\beta]^{12} - \\
 & 6.13791 \times 10^{18} v^6 z^2 \text{Sin}[\beta]^{12} + 17. v^8 z^2 \text{Sin}[\beta]^{12})^3 + \\
 & 27. q^2 (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \\
 & \text{Sin}[\beta]^2 + v^2 \text{Sin}[\beta]^2)^8 (-8.19632 \times 10^{16} + \\
 & 3.27853 \times 10^{17} \text{Sin}[\beta]^2 - 3.27853 \times 10^{17} \text{Sin}[\beta]^4)^2 \\
 & (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
 & 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
 & 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
 & 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
 & 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
 & 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
 & 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
 & 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
 & 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
 & 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
 & 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 +
 \end{aligned}$$

$$\begin{aligned}
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \text{Sin}[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} m^4 v^2 \text{Sin}[\beta]^2 + \\
& 8.3305 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^2 + 4.76029 \times 10^{68} \\
& q^4 v^2 \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} m^4 v^4 \text{Sin}[\beta]^2 - \\
& 1.39034 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^2 - 7.9448 \times 10^{51} \\
& q^4 v^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} m^4 v^6 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^2 + 5.89319 \times 10^{34} \\
& q^4 v^6 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} m^4 v^8 \text{Sin}[\beta]^2 - \\
& 2.86871 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^2 - 1.63926 \times 10^{17} \\
& q^4 v^8 \text{Sin}[\beta]^2 + 1.60437 \times 10^{85} m^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.33698 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^2 - 7.14043 \times 10^{68} m^2 \\
& v^2 z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} q^2 v^2 z^2 \text{Sin}[\beta]^2 + \\
& 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^2 + 9.931 \times 10^{51} q^2 \\
& v^4 z^2 \text{Sin}[\beta]^2 - 8.83978 \times 10^{34} m^2 v^6 z^2 \text{Sin}[\beta]^2 - \\
& 7.36649 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^2 + 2.4589 \times 10^{17} \\
& m^2 v^8 z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} q^2 v^8 z^2 \text{Sin}[\beta]^2 - \\
& 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^2 + 3.57022 \times 10^{68} v^2 z^4 \\
& \text{Sin}[\beta]^2 - 5.9586 \times 10^{51} v^4 z^4 \text{Sin}[\beta]^2 + 4.41989 \times 10^{34} \\
& v^6 z^4 \text{Sin}[\beta]^2 - 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^2 + \\
& 2.00547 \times 10^{85} m^4 \text{Sin}[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \\
& \text{Sin}[\beta]^4 + 3.47615 \times 10^{85} q^4 \text{Sin}[\beta]^4 - 8.92554 \times 10^{68} \\
& m^4 v^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \text{Sin}[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} \\
& m^4 v^4 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \text{Sin}[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} \\
& m^4 v^6 \text{Sin}[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^4 - 4.01094 \times 10^{85} \\
& m^2 z^2 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \text{Sin}[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \text{Sin}[\beta]^4 + 2.20995 \times 10^{35} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \text{Sin}[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} \\
& q^2 v^8 z^2 \text{Sin}[\beta]^4 + 2.00547 \times 10^{85} z^4 \text{Sin}[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^4 + 1.48965 \times 10^{52} \\
& v^4 z^4 \text{Sin}[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \text{Sin}[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \text{Sin}[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \text{Sin}[\beta]^6 -
\end{aligned}$$

$$\begin{aligned}
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 \\
& v^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 \\
& v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 \\
& v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} \\
& q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} \\
& m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} \\
& q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} \\
& m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 \\
& v^6 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} \\
& q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} \\
& m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 \\
& v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} -
\end{aligned}$$

$$\begin{aligned}
& 1.9862 \times 10^{52} q^4 v^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} m^4 \\
& v^6 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \text{Sin}[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \text{Sin}[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \text{Sin}[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \text{Sin}[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \text{Sin}[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \text{Sin}[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \text{Sin}[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \text{Sin}[\beta]^{10} - 8.83978 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \text{Sin}[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \text{Sin}[\beta]^{10} + 4.09816 \times 10^{16} \\
& q^2 v^8 z^2 \text{Sin}[\beta]^{10} - 8.02187 \times 10^{84} z^4 \text{Sin}[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \text{Sin}[\beta]^{10} - 5.9586 \times 10^{51} \\
& v^4 z^4 \text{Sin}[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \text{Sin}[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \text{Sin}[\beta]^{10} + 1.33698 \times 10^{84} \\
& m^4 \text{Sin}[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \text{Sin}[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} m^4 \\
& v^2 \text{Sin}[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \text{Sin}[\beta]^{12} - \\
& 2.38014 \times 10^{68} q^4 v^2 \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} m^4 \\
& v^4 \text{Sin}[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \text{Sin}[\beta]^{12} + \\
& 3.9724 \times 10^{51} q^4 v^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} m^4 \\
& v^6 \text{Sin}[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \text{Sin}[\beta]^{12} - \\
& 2.94659 \times 10^{34} q^4 v^6 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} \\
& m^4 v^8 \text{Sin}[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \text{Sin}[\beta]^{12} + \\
& 8.19632 \times 10^{16} q^4 v^8 \text{Sin}[\beta]^{12} - 2.67396 \times 10^{84} \\
& m^2 z^2 \text{Sin}[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \text{Sin}[\beta]^{12} + \\
& 1.19007 \times 10^{68} m^2 v^2 z^2 \text{Sin}[\beta]^{12} - 5.68665 \times 10^{52} \\
& q^2 v^2 z^2 \text{Sin}[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \text{Sin}[\beta]^{12} + \\
& 8.69196 \times 10^{35} q^2 v^4 z^2 \text{Sin}[\beta]^{12} + 1.4733 \times 10^{34} \\
& m^2 v^6 z^2 \text{Sin}[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \text{Sin}[\beta]^{12} - \\
& 4.09816 \times 10^{16} m^2 v^8 z^2 \text{Sin}[\beta]^{12} + 17. q^2 v^8 z^2 \text{Sin}[\beta]^{12} + \\
& 1.33698 \times 10^{84} z^4 \text{Sin}[\beta]^{12} - 5.95036 \times 10^{67} v^2 z^4 \\
& \text{Sin}[\beta]^{12} + 9.931 \times 10^{50} v^4 z^4 \text{Sin}[\beta]^{12} - 7.36649 \times 10^{33} \\
& v^6 z^4 \text{Sin}[\beta]^{12} + 2.04908 \times 10^{16} v^8 z^4 \text{Sin}[\beta]^{12} - \\
72. & (8.98755 \times 10^{16} - 1. v^2 - 8.98755 \times 10^{16} \text{Sin}[\beta]^2 + \\
& v^2 \text{Sin}[\beta]^2)^4 (2.04908 \times 10^{16} - 8.19632 \times 10^{16} \text{Sin}[\beta]^2 + \\
& 8.19632 \times 10^{16} \text{Sin}[\beta]^4) (2.67396 \times 10^{84} m^2 + \\
& 8.02187 \times 10^{84} q^2 - 1.19007 \times 10^{68} m^2 v^2 - \\
& 3.57022 \times 10^{68} q^2 v^2 + 1.9862 \times 10^{51} m^2 v^4 + \\
& 5.9586 \times 10^{51} q^2 v^4 - 1.4733 \times 10^{34} m^2 v^6 - \\
& 4.41989 \times 10^{34} q^2 v^6 + 4.09816 \times 10^{16} m^2 v^8 + \\
& 1.22945 \times 10^{17} q^2 v^8 - 2.67396 \times 10^{84} z^2 + 1.19007 \times 10^{68} \\
& v^2 z^2 - 1.9862 \times 10^{51} v^4 z^2 + 1.4733 \times 10^{34} v^6 z^2 -
\end{aligned}$$

$$\begin{aligned}
& 4.09816 \times 10^{16} v^8 z^2 - 1.87177 \times 10^{85} m^2 \text{Sin}[\beta]^2 - \\
& 6.4175 \times 10^{85} q^2 \text{Sin}[\beta]^2 + 8.3305 \times 10^{68} m^2 v^2 \text{Sin}[\beta]^2 + \\
& 2.85617 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^2 - 1.39034 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^2 - 4.76688 \times 10^{52} q^2 v^4 \text{Sin}[\beta]^2 + \\
& 1.03131 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^2 + 3.53591 \times 10^{35} \\
& q^2 v^6 \text{Sin}[\beta]^2 - 2.86871 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^2 - \\
& 9.83559 \times 10^{17} q^2 v^8 \text{Sin}[\beta]^2 + 1.33698 \times 10^{85} \\
& z^2 \text{Sin}[\beta]^2 - 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^2 + \\
& 9.931 \times 10^{51} v^4 z^2 \text{Sin}[\beta]^2 - 7.36649 \times 10^{34} v^6 \\
& z^2 \text{Sin}[\beta]^2 + 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^2 + \\
& 5.34792 \times 10^{85} m^2 \text{Sin}[\beta]^4 + 2.08569 \times 10^{86} \\
& q^2 \text{Sin}[\beta]^4 - 2.38014 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^4 - \\
& 9.28256 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^4 + 3.9724 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^4 + 1.54924 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^4 - \\
& 2.94659 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^4 - 1.14917 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^4 + 8.19632 \times 10^{17} m^2 v^8 \text{Sin}[\beta]^4 + \\
& 3.19657 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^4 - 2.67396 \times 10^{85} \\
& z^2 \text{Sin}[\beta]^4 + 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^4 - \\
& 1.9862 \times 10^{52} v^4 z^2 \text{Sin}[\beta]^4 + 1.4733 \times 10^{35} v^6 \\
& z^2 \text{Sin}[\beta]^4 - 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^4 - \\
& 8.02187 \times 10^{85} m^2 \text{Sin}[\beta]^6 - 3.52962 \times 10^{86} q^2 \text{Sin}[\beta]^6 + \\
& 3.57022 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^6 + 1.57089 \times 10^{70} \\
& q^2 v^2 \text{Sin}[\beta]^6 - 5.9586 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^6 - \\
& 2.62178 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^6 + 4.41989 \times 10^{35} \\
& m^2 v^6 \text{Sin}[\beta]^6 + 1.94475 \times 10^{36} q^2 v^6 \text{Sin}[\beta]^6 - \\
& 1.22945 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^6 - 5.40957 \times 10^{18} \\
& q^2 v^8 \text{Sin}[\beta]^6 + 2.67396 \times 10^{85} z^2 \text{Sin}[\beta]^6 - \\
& 1.19007 \times 10^{69} v^2 z^2 \text{Sin}[\beta]^6 + 1.9862 \times 10^{52} \\
& v^4 z^2 \text{Sin}[\beta]^6 - 1.4733 \times 10^{35} v^6 z^2 \text{Sin}[\beta]^6 + \\
& 4.09816 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^6 + 6.6849 \times 10^{85} m^2 \text{Sin}[\beta]^8 + \\
& 3.28897 \times 10^{86} q^2 \text{Sin}[\beta]^8 - 2.97518 \times 10^{69} m^2 v^2 \text{Sin}[\beta]^8 - \\
& 1.46379 \times 10^{70} q^2 v^2 \text{Sin}[\beta]^8 + 4.9655 \times 10^{52} \\
& m^2 v^4 \text{Sin}[\beta]^8 + 2.44303 \times 10^{53} q^2 v^4 \text{Sin}[\beta]^8 - \\
& 3.68324 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^8 - 1.81216 \times 10^{36} \\
& q^2 v^6 \text{Sin}[\beta]^8 + 1.02454 \times 10^{18} m^2 v^8 \text{Sin}[\beta]^8 + \\
& 5.04074 \times 10^{18} q^2 v^8 \text{Sin}[\beta]^8 - 1.33698 \times 10^{85} z^2 \\
& \text{Sin}[\beta]^8 + 5.95036 \times 10^{68} v^2 z^2 \text{Sin}[\beta]^8 - 9.931 \times 10^{51} \\
& v^4 z^2 \text{Sin}[\beta]^8 + 7.36649 \times 10^{34} v^6 z^2 \text{Sin}[\beta]^8 - \\
& 2.04908 \times 10^{17} v^8 z^2 \text{Sin}[\beta]^8 - 2.94135 \times 10^{85} m^2 \\
& \text{Sin}[\beta]^{10} - 1.60437 \times 10^{86} q^2 \text{Sin}[\beta]^{10} + 1.30908 \times 10^{69} \\
& m^2 v^2 \text{Sin}[\beta]^{10} + 7.14043 \times 10^{69} q^2 v^2 \text{Sin}[\beta]^{10} - \\
& 2.18482 \times 10^{52} m^2 v^4 \text{Sin}[\beta]^{10} - 1.19172 \times 10^{53} \\
& q^2 v^4 \text{Sin}[\beta]^{10} + 1.62063 \times 10^{35} m^2 v^6 \text{Sin}[\beta]^{10} + \\
& 8.83978 \times 10^{35} q^2 v^6 \text{Sin}[\beta]^{10} - 4.50798 \times 10^{17}
\end{aligned}$$

$$\begin{aligned}
& m^2 v^8 \sin[\beta]^{10} - 2.4589 \times 10^{18} q^2 v^8 \sin[\beta]^{10} + \\
& 2.67396 \times 10^{84} z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} v^2 \\
& z^2 \sin[\beta]^{10} + 1.9862 \times 10^{51} v^4 z^2 \sin[\beta]^{10} - \\
& 1.4733 \times 10^{34} v^6 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& v^8 z^2 \sin[\beta]^{10} + 5.34792 \times 10^{84} m^2 \sin[\beta]^{12} + \\
& 3.20875 \times 10^{85} q^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 \\
& v^2 \sin[\beta]^{12} - 1.42809 \times 10^{69} q^2 v^2 \sin[\beta]^{12} + \\
& 3.9724 \times 10^{51} m^2 v^4 \sin[\beta]^{12} + 2.38344 \times 10^{52} \\
& q^2 v^4 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 v^6 \sin[\beta]^{12} - \\
& 1.76796 \times 10^{35} q^2 v^6 \sin[\beta]^{12} + 8.19632 \times 10^{16} \\
& m^2 v^8 \sin[\beta]^{12} + 4.91779 \times 10^{17} q^2 v^8 \sin[\beta]^{12} + \\
& 1.43667 \times 10^{69} z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} v^2 \\
& z^2 \sin[\beta]^{12} + 8.69196 \times 10^{35} v^4 z^2 \sin[\beta]^{12} - \\
& 6.13791 \times 10^{18} v^6 z^2 \sin[\beta]^{12} + 17. v^8 z^2 \sin[\beta]^{12} \\
& (1.33698 \times 10^{84} m^4 + 2.67396 \times 10^{84} m^2 q^2 + \\
& 1.33698 \times 10^{84} q^4 - 5.95036 \times 10^{67} m^4 v^2 - \\
& 1.19007 \times 10^{68} m^2 q^2 v^2 - 5.95036 \times 10^{67} q^4 v^2 + \\
& 9.931 \times 10^{50} m^4 v^4 + 1.9862 \times 10^{51} m^2 q^2 v^4 + \\
& 9.931 \times 10^{50} q^4 v^4 - 7.36649 \times 10^{33} m^4 v^6 - \\
& 1.4733 \times 10^{34} m^2 q^2 v^6 - 7.36649 \times 10^{33} q^4 v^6 + \\
& 2.04908 \times 10^{16} m^4 v^8 + 4.09816 \times 10^{16} m^2 q^2 v^8 + \\
& 2.04908 \times 10^{16} q^4 v^8 - 2.67396 \times 10^{84} m^2 z^2 - \\
& 2.67396 \times 10^{84} q^2 z^2 + 1.19007 \times 10^{68} m^2 v^2 z^2 + \\
& 1.19007 \times 10^{68} q^2 v^2 z^2 - 1.9862 \times 10^{51} m^2 v^4 z^2 - \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 + 1.4733 \times 10^{34} m^2 v^6 z^2 + \\
& 1.4733 \times 10^{34} q^2 v^6 z^2 - 4.09816 \times 10^{16} m^2 v^8 z^2 - \\
& 4.09816 \times 10^{16} q^2 v^8 z^2 + 1.33698 \times 10^{84} z^4 - \\
& 5.95036 \times 10^{67} v^2 z^4 + 9.931 \times 10^{50} v^4 z^4 - \\
& 7.36649 \times 10^{33} v^6 z^4 + 2.04908 \times 10^{16} v^8 z^4 - \\
& 8.02187 \times 10^{84} m^4 \sin[\beta]^2 - 1.87177 \times 10^{85} m^2 q^2 \sin[\beta]^2 - \\
& 1.06958 \times 10^{85} q^4 \sin[\beta]^2 + 3.57022 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^2 + 8.3305 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^2 + \\
& 4.76029 \times 10^{68} q^4 v^2 \sin[\beta]^2 - 5.9586 \times 10^{51} m^4 \\
& v^4 \sin[\beta]^2 - 1.39034 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^2 - \\
& 7.9448 \times 10^{51} q^4 v^4 \sin[\beta]^2 + 4.41989 \times 10^{34} m^4 \\
& v^6 \sin[\beta]^2 + 1.03131 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^2 + \\
& 5.89319 \times 10^{34} q^4 v^6 \sin[\beta]^2 - 1.22945 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^2 - 2.86871 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^2 - \\
& 1.63926 \times 10^{17} q^4 v^8 \sin[\beta]^2 + 1.60437 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^2 + 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^2 - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^2 - 5.95036 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^2 + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^2 + \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^2 - 8.83978 \times 10^{34} m^2
\end{aligned}$$

$$\begin{aligned}
& v^6 z^2 \sin[\beta]^2 - 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^2 + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^2 + 2.04908 \times 10^{17} \\
& q^2 v^8 z^2 \sin[\beta]^2 - 8.02187 \times 10^{84} z^4 \sin[\beta]^2 + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^2 - 5.9586 \times 10^{51} \\
& v^4 z^4 \sin[\beta]^2 + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^2 - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^2 + 2.00547 \times 10^{85} \\
& m^4 \sin[\beta]^4 + 5.34792 \times 10^{85} m^2 q^2 \sin[\beta]^4 + \\
& 3.47615 \times 10^{85} q^4 \sin[\beta]^4 - 8.92554 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^4 - 2.38014 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^4 - \\
& 1.54709 \times 10^{69} q^4 v^2 \sin[\beta]^4 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^4 + 3.9724 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^4 + \\
& 2.58206 \times 10^{52} q^4 v^4 \sin[\beta]^4 - 1.10497 \times 10^{35} \\
& m^4 v^6 \sin[\beta]^4 - 2.94659 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^4 - \\
& 1.91529 \times 10^{35} q^4 v^6 \sin[\beta]^4 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^4 + 8.19632 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^4 + \\
& 5.32761 \times 10^{17} q^4 v^8 \sin[\beta]^4 - 4.01094 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^4 - 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^4 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^4 + 1.19007 \times 10^{69} \\
& q^2 v^2 z^2 \sin[\beta]^4 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^4 - \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^4 + 2.20995 \times 10^{35} \\
& m^2 v^6 z^2 \sin[\beta]^4 + 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^4 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^4 - 4.09816 \times 10^{17} \\
& q^2 v^8 z^2 \sin[\beta]^4 + 2.00547 \times 10^{85} z^4 \sin[\beta]^4 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^4 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^4 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^4 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^4 - 2.67396 \times 10^{85} \\
& m^4 \sin[\beta]^6 - 8.02187 \times 10^{85} m^2 q^2 \sin[\beta]^6 - \\
& 5.88271 \times 10^{85} q^4 \sin[\beta]^6 + 1.19007 \times 10^{69} m^4 \\
& v^2 \sin[\beta]^6 + 3.57022 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^6 + \\
& 2.61816 \times 10^{69} q^4 v^2 \sin[\beta]^6 - 1.9862 \times 10^{52} m^4 \\
& v^4 \sin[\beta]^6 - 5.9586 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^6 - \\
& 4.36964 \times 10^{52} q^4 v^4 \sin[\beta]^6 + 1.4733 \times 10^{35} m^4 \\
& v^6 \sin[\beta]^6 + 4.41989 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^6 + \\
& 3.24125 \times 10^{35} q^4 v^6 \sin[\beta]^6 - 4.09816 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^6 - 1.22945 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^6 - \\
& 9.01595 \times 10^{17} q^4 v^8 \sin[\beta]^6 + 5.34792 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^6 + 2.67396 \times 10^{85} q^2 z^2 \sin[\beta]^6 - \\
& 2.38014 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^6 - 1.19007 \times 10^{69} \\
& q^2 v^2 z^2 \sin[\beta]^6 + 3.9724 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^6 + \\
& 1.9862 \times 10^{52} q^2 v^4 z^2 \sin[\beta]^6 - 2.94659 \times 10^{35} \\
& m^2 v^6 z^2 \sin[\beta]^6 - 1.4733 \times 10^{35} q^2 v^6 z^2 \sin[\beta]^6 + \\
& 8.19632 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^6 + 4.09816 \times 10^{17} \\
& q^2 v^8 z^2 \sin[\beta]^6 - 2.67396 \times 10^{85} z^4 \sin[\beta]^6 + \\
& 1.19007 \times 10^{69} v^2 z^4 \sin[\beta]^6 - 1.9862 \times 10^{52}
\end{aligned}$$



$$\begin{aligned}
& v^4 z^4 \sin[\beta]^6 + 1.4733 \times 10^{35} v^6 z^4 \sin[\beta]^6 - \\
& 4.09816 \times 10^{17} v^8 z^4 \sin[\beta]^6 + 2.00547 \times 10^{85} \\
& m^4 \sin[\beta]^8 + 6.6849 \times 10^{85} m^2 q^2 \sin[\beta]^8 + \\
& 5.48161 \times 10^{85} q^4 \sin[\beta]^8 - 8.92554 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^8 - 2.97518 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^8 - \\
& 2.43965 \times 10^{69} q^4 v^2 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& m^4 v^4 \sin[\beta]^8 + 4.9655 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^8 + \\
& 4.07171 \times 10^{52} q^4 v^4 \sin[\beta]^8 - 1.10497 \times 10^{35} \\
& m^4 v^6 \sin[\beta]^8 - 3.68324 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^8 - \\
& 3.02026 \times 10^{35} q^4 v^6 \sin[\beta]^8 + 3.07362 \times 10^{17} \\
& m^4 v^8 \sin[\beta]^8 + 1.02454 \times 10^{18} m^2 q^2 v^8 \sin[\beta]^8 + \\
& 8.40123 \times 10^{17} q^4 v^8 \sin[\beta]^8 - 4.01094 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^8 - 1.33698 \times 10^{85} q^2 z^2 \sin[\beta]^8 + \\
& 1.78511 \times 10^{69} m^2 v^2 z^2 \sin[\beta]^8 + 5.95036 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^8 - 2.9793 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^8 - \\
& 9.931 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^8 + 2.20995 \times 10^{35} m^2 \\
& v^6 z^2 \sin[\beta]^8 + 7.36649 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^8 - \\
& 6.14724 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^8 - 2.04908 \times 10^{17} \\
& q^2 v^8 z^2 \sin[\beta]^8 + 2.00547 \times 10^{85} z^4 \sin[\beta]^8 - \\
& 8.92554 \times 10^{68} v^2 z^4 \sin[\beta]^8 + 1.48965 \times 10^{52} \\
& v^4 z^4 \sin[\beta]^8 - 1.10497 \times 10^{35} v^6 z^4 \sin[\beta]^8 + \\
& 3.07362 \times 10^{17} v^8 z^4 \sin[\beta]^8 - 8.02187 \times 10^{84} \\
& m^4 \sin[\beta]^{10} - 2.94135 \times 10^{85} m^2 q^2 \sin[\beta]^{10} - \\
& 2.67396 \times 10^{85} q^4 \sin[\beta]^{10} + 3.57022 \times 10^{68} m^4 \\
& v^2 \sin[\beta]^{10} + 1.30908 \times 10^{69} m^2 q^2 v^2 \sin[\beta]^{10} + \\
& 1.19007 \times 10^{69} q^4 v^2 \sin[\beta]^{10} - 5.9586 \times 10^{51} m^4 \\
& v^4 \sin[\beta]^{10} - 2.18482 \times 10^{52} m^2 q^2 v^4 \sin[\beta]^{10} - \\
& 1.9862 \times 10^{52} q^4 v^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} m^4 \\
& v^6 \sin[\beta]^{10} + 1.62063 \times 10^{35} m^2 q^2 v^6 \sin[\beta]^{10} + \\
& 1.4733 \times 10^{35} q^4 v^6 \sin[\beta]^{10} - 1.22945 \times 10^{17} m^4 \\
& v^8 \sin[\beta]^{10} - 4.50798 \times 10^{17} m^2 q^2 v^8 \sin[\beta]^{10} - \\
& 4.09816 \times 10^{17} q^4 v^8 \sin[\beta]^{10} + 1.60437 \times 10^{85} \\
& m^2 z^2 \sin[\beta]^{10} + 2.67396 \times 10^{84} q^2 z^2 \sin[\beta]^{10} - \\
& 7.14043 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{10} - 1.19007 \times 10^{68} \\
& q^2 v^2 z^2 \sin[\beta]^{10} + 1.19172 \times 10^{52} m^2 v^4 z^2 \sin[\beta]^{10} + \\
& 1.9862 \times 10^{51} q^2 v^4 z^2 \sin[\beta]^{10} - 8.83978 \times 10^{34} \\
& m^2 v^6 z^2 \sin[\beta]^{10} - 1.4733 \times 10^{34} q^2 v^6 z^2 \sin[\beta]^{10} + \\
& 2.4589 \times 10^{17} m^2 v^8 z^2 \sin[\beta]^{10} + 4.09816 \times 10^{16} \\
& q^2 v^8 z^2 \sin[\beta]^{10} - 8.02187 \times 10^{84} z^4 \sin[\beta]^{10} + \\
& 3.57022 \times 10^{68} v^2 z^4 \sin[\beta]^{10} - 5.9586 \times 10^{51} \\
& v^4 z^4 \sin[\beta]^{10} + 4.41989 \times 10^{34} v^6 z^4 \sin[\beta]^{10} - \\
& 1.22945 \times 10^{17} v^8 z^4 \sin[\beta]^{10} + 1.33698 \times 10^{84} \\
& m^4 \sin[\beta]^{12} + 5.34792 \times 10^{84} m^2 q^2 \sin[\beta]^{12} + \\
& 5.34792 \times 10^{84} q^4 \sin[\beta]^{12} - 5.95036 \times 10^{67} m^4
\end{aligned}$$

$$\begin{aligned}
 & v^2 \sin[\beta]^{12} - 2.38014 \times 10^{68} m^2 q^2 v^2 \sin[\beta]^{12} - \\
 & 2.38014 \times 10^{68} q^4 v^2 \sin[\beta]^{12} + 9.931 \times 10^{50} m^4 \\
 & v^4 \sin[\beta]^{12} + 3.9724 \times 10^{51} m^2 q^2 v^4 \sin[\beta]^{12} + \\
 & 3.9724 \times 10^{51} q^4 v^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} m^4 \\
 & v^6 \sin[\beta]^{12} - 2.94659 \times 10^{34} m^2 q^2 v^6 \sin[\beta]^{12} - \\
 & 2.94659 \times 10^{34} q^4 v^6 \sin[\beta]^{12} + 2.04908 \times 10^{16} \\
 & m^4 v^8 \sin[\beta]^{12} + 8.19632 \times 10^{16} m^2 q^2 v^8 \sin[\beta]^{12} + \\
 & 8.19632 \times 10^{16} q^4 v^8 \sin[\beta]^{12} - 2.67396 \times 10^{84} \\
 & m^2 z^2 \sin[\beta]^{12} + 1.43667 \times 10^{69} q^2 z^2 \sin[\beta]^{12} + \\
 & 1.19007 \times 10^{68} m^2 v^2 z^2 \sin[\beta]^{12} - 5.68665 \times 10^{52} \\
 & q^2 v^2 z^2 \sin[\beta]^{12} - 1.9862 \times 10^{51} m^2 v^4 z^2 \sin[\beta]^{12} + \\
 & 8.69196 \times 10^{35} q^2 v^4 z^2 \sin[\beta]^{12} + 1.4733 \times 10^{34} \\
 & m^2 v^6 z^2 \sin[\beta]^{12} - 6.13791 \times 10^{18} q^2 v^6 z^2 \sin[\beta]^{12} - \\
 & 4.09816 \times 10^{16} m^2 v^8 z^2 \sin[\beta]^{12} + 17. q^2 v^8 \\
 & z^2 \sin[\beta]^{12} + 1.33698 \times 10^{84} z^4 \sin[\beta]^{12} - \\
 & 5.95036 \times 10^{67} v^2 z^4 \sin[\beta]^{12} + 9.931 \times 10^{50} v^4 \\
 & z^4 \sin[\beta]^{12} - 7.36649 \times 10^{33} v^6 z^4 \sin[\beta]^{12} + \\
 & 2.04908 \times 10^{16} v^8 z^4 \sin[\beta]^{12} )^2 )^{1/3} ) / \\
 & ( ( (0. + 0. i) + 1.43146 \times 10^8 \cos[2. \beta] )^2 ( 8.98755 \times 10^{16} - 1. v^2 - \\
 & 8.98755 \times 10^{16} \sin[\beta]^2 + v^2 \sin[\beta]^2 )^4 ) ) ) ) }
 \end{aligned}$$

## Conditional Integral of Phenomenological Velocity

$$\text{Axiom 1 : } F[q, s, l, \alpha] = \frac{\sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2}}{\alpha}$$

$$\text{Axiom 2 : } G[q, s, l, \beta, c] = \frac{\sqrt{-c^2 (l\alpha)^2 + c^2 q^2 - 2c^2 sq + c^2 s^2 + c^2 (l\alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l\alpha)^2 + q^2 - 2. sq + s^2 + (l\alpha)^2 \text{Sin}[\beta]^2}}$$

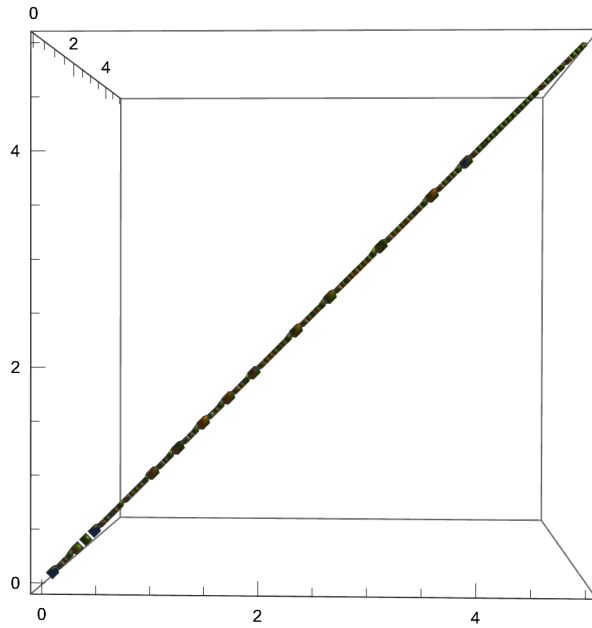
$$\text{Axiom 3 : } h / l = \text{Sin}[\beta]$$

**Theorem 1 :** The integral of ,

$$\iiint \iiint G[q, s, l, \beta, c] \, dq \, ds \, dl \, d\beta = F[q, s, l, \alpha]$$

$$\text{if } c = \left( l \sqrt{\left( -4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2} \right) / \left( (1. q^2 - 2. qs + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. qs + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right)}$$

```
In[1]:= Manipulate[ContourPlot3D[
  (l \sqrt{\left(-4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2}\right)} / \left((1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}\right),
  {s, 0, 5}, {l, 0, 5}, {q, 0, 5}], {\alpha,
  0,
  2 \pi}, {\beta,
  0,
  \pi / 2}]
```



... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **General:** Further output of Power::infy will be suppressed during this calculation.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

... **General:** Further output of Infinity::indet will be suppressed during this calculation.

Proof:

Take the derivative of  $F[q, s, l, \alpha]$ ,

$$D\left[D\left[D\left[D\left[\frac{\sqrt{-q^2 + 2qs - s^2 + l^2\alpha^2}}{\alpha}, q\right], s\right], l\right], \alpha\right]$$

$$= \frac{15 l^3 (2q - 2s) (-2q + 2s) \alpha^2}{4 (-q^2 + 2qs - s^2 + l^2\alpha^2)^{7/2}} + \frac{3 l (2q - 2s) (-2q + 2s)}{4 (-q^2 + 2qs - s^2 + l^2\alpha^2)^{5/2}} +$$

$$\frac{3 l^3 \alpha^2}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{3/2}}$$

Equate it with G[q, s, l, β, c] :

$$D\left[D\left[D\left[D\left[\frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha}, q\right], s\right], l\right], \alpha\right] = \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}}$$

Solve the equality for c :

$$\text{In[*]:= Solve}\left[-\frac{15 l^3 (2 q - 2 s) (-2 q + 2 s) \alpha^2}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2 q - 2 s) (-2 q + 2 s)}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} + \frac{3 l^3 \alpha^2}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{3/2}} - \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}}, c\right]$$

$$\text{Out[*]:= } \left\{ \left\{ c \rightarrow - \left( \left( 1. l \sqrt{\left( -4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} \right) \right) / \left( (1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \right) \right\} \right\}$$

$$\left. \left. \left. \left. \left. \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \right) \right\}, \right.$$

$$\{c \rightarrow \left( l \sqrt{\left( -4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} \right) \right) / \left( (1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \right\}$$

Plug c back into the original equality to check the solution :

$$\text{In[*]:= } c := \left( l \sqrt{\left( -4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} \right) \right) / \left( (1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right)$$

$$\text{In[*]:= } \text{Solve} \left[ -\frac{15 l^3 (2 q - 2 s) (-2 q + 2 s) \alpha^2}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2 q - 2 s) (-2 q + 2 s)}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} + \right.$$

$$\frac{3 l^3 \alpha^2}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{3/2}} == \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 (h / l)^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 (h / l)^2}}, \alpha]$$

Out[ ]= {}

$$\text{In[ ]:= Solve}\left[-\frac{15 l^3 (2 q - 2 s) (-2 q + 2 s) \alpha^2}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2 q - 2 s) (-2 q + 2 s)}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} + \frac{3 l^3 \alpha^2}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{3/2}} == \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 (h / l)^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 (h / l)^2}}, l\right]$$

Out[ ]= {}

$$\text{In[ ]:= Solve}\left[-\frac{15 l^3 (2 q - 2 s) (-2 q + 2 s) \alpha^2}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2 q - 2 s) (-2 q + 2 s)}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} + \frac{3 l^3 \alpha^2}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{3/2}} == \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}}, s\right]$$

Out[ ]= {}

$$\text{In[ ]:= Solve}\left[-\frac{15 l^3 (2 q - 2 s) (-2 q + 2 s) \alpha^2}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2 q - 2 s) (-2 q + 2 s)}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} + \frac{3 l^3 \alpha^2}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{3/2}} == \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}}, q\right]$$

Out[ ]= {}

Since everything cancels out, the conditional expression :



$$\begin{aligned}
 & - \frac{15 l^3 (2q - 2s) (-2q + 2s) \alpha^2}{4 (-q^2 + 2qs - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2q - 2s) (-2q + 2s)}{4 (-q^2 + 2qs - s^2 + l^2 \alpha^2)^{5/2}} + \\
 & \frac{3 l^3 \alpha^2}{(-q^2 + 2qs - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2qs - s^2 + l^2 \alpha^2)^{3/2}} = \\
 & \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}} \text{ if}
 \end{aligned}$$

$$\begin{aligned}
 c = & \left( l \sqrt{\left( -4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \right. \right. \\
 & \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \\
 & \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \\
 & \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \\
 & \left. \left. \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} \right) \right) / \\
 & \left( (1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right)
 \end{aligned}$$

must be true.

Since:

$$\iiint \left( - \frac{15 l^3 (2q - 2s) (-2q + 2s) \alpha^2}{4 (-q^2 + 2qs - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2q - 2s) (-2q + 2s)}{4 (-q^2 + 2qs - s^2 + l^2 \alpha^2)^{5/2}} + \right.$$

$$\left. \frac{3 l^3 \alpha^2}{(-q^2 + 2qs - s^2 + l^2 \alpha^2)^{5/2}} - \frac{l}{(-q^2 + 2qs - s^2 + l^2 \alpha^2)^{3/2}} \right)$$

$$dq dl ds d\alpha = \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha},$$

Then,

$$\iiint \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}}$$

$dq dl ds d\alpha d\beta$  must equal  $\frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha}$  as well if,

$$c = \left( l \sqrt{\left( -4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} \right) / \left( (1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right)$$

Thus, it also stands to reason that :

$$\iiint \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 (h/l)^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 (h/l)^2}} dq dl ds d\alpha dh =$$

$$h \text{ if } c = \left( l \sqrt{\left( -4. - \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} \right) / \left( (1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right)$$

Theorem 2 :

Furthermore :

$$\text{From, } v = \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}},$$

$$c = \frac{1. v \sqrt{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2 + 1. l^2 \alpha^2 \text{Sin}[\beta]^2}}{\sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}}, \text{ and}$$

In[ ]:= c :=

$$\left( l \sqrt{\left( -4. \frac{225. l^8 \alpha^8}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{450. l^6 \alpha^6}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{285. l^4 \alpha^4}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{60. l^2 \alpha^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} - \frac{225. l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^5} - \frac{450. l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^4} - \frac{285. l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^3} - \frac{60. l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2)^2} - \frac{4. l^2 \alpha^2 \text{Sin}[\beta]^2}{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2} \right) / \left( (1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2) \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right)$$

v does not have to equal c and,

$$\text{In[ ]:= Simplify} \left[ \left( 1. \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}} \right) \right]$$

$$\left( \sqrt{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2 + 1. l^2 \alpha^2 \text{Sin}[\beta]^2} \right) /$$

$$\left( \sqrt{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \left[ \right]$$

$$\text{Out[ ]:= } \frac{1. \sqrt{c^2 (q^2 - 2 q s + s^2 - l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2)} \sqrt{1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2 + 1. l^2 \alpha^2 \text{Sin}[\beta]^2}}{q^2 - 2. q s + s^2 - 1. l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}$$

$$\begin{aligned}
 \text{In[ ]:= Solve} & \left[ \left( 1. \cdot \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. \cdot (l \alpha)^2 + q^2 - 2. \cdot s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}} \right. \right. \\
 & \left. \left. \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2} \right) / \right. \\
 & \left. \left( \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) == \right. \\
 & \left. \left( l \sqrt{\left( -4. \cdot - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right. \right. \right. \\
 & \left. \left. \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \right. \right. \\
 & \left. \left. \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \right. \right. \\
 & \left. \left. \frac{450. \cdot l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \right. \right. \\
 & \left. \left. \frac{60. \cdot l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right) / \\
 & \left. \left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right), l \right]
 \end{aligned}$$

Out[ ]:= {{}}

$$\begin{aligned}
 \text{In[ ]:= Solve} & \left[ \left( 1. \cdot \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. \cdot (l \alpha)^2 + q^2 - 2. \cdot s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}} \right. \right. \\
 & \left. \left. \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2} \right) / \right. \\
 & \left. \left( \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) == \right. \\
 & \left( l \sqrt{\left( -4. \cdot - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right. \right. \\
 & \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \\
 & \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \\
 & \frac{450. \cdot l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} \\
 & \left. \left. \frac{60. \cdot l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right) / \\
 & \left. \left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right), q \right]
 \end{aligned}$$

Out[ ]:= {{}}

$$\begin{aligned}
 \text{In[ ]:= Solve} & \left[ \left( 1. \cdot \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 \text{Sin}[\beta]^2}}{\sqrt{-1. \cdot (l \alpha)^2 + q^2 - 2. \cdot s q + s^2 + (l \alpha)^2 \text{Sin}[\beta]^2}} \right. \right. \\
 & \left. \left. \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2} \right) / \right. \\
 & \left. \left( \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) == \right. \\
 & \left. \left( l \sqrt{\left( -4. \cdot - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right. \right. \right. \\
 & \left. \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \right. \\
 & \left. \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \right. \\
 & \left. \frac{450. \cdot l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \right. \\
 & \left. \frac{60. \cdot l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) / \right. \\
 & \left. \left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right), \alpha \right]
 \end{aligned}$$

Out[ ]:= {{}}

$$\begin{aligned}
 \text{In[ ]:= Solve} & \left[ \left( 1. \cdot \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 (h / l)^2}}{\sqrt{-1. \cdot (l \alpha)^2 + q^2 - 2. \cdot s q + s^2 + (l \alpha)^2 (h / l)^2}} \right. \right. \\
 & \left. \left. \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 (h / l)^2} \right) / \right. \\
 & \left. \left( \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 (h / l)^2} \right) == \right. \\
 & \left( l \sqrt{\left( -4. \cdot - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right. \right. \\
 & \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \\
 & \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \\
 & \frac{450. \cdot l^8 \alpha^8 (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} \\
 & \left. \left. \frac{60. \cdot l^4 \alpha^4 (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 (h / l)^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right) / \\
 & \left. \left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 (h / l)^2} \right), l \right]
 \end{aligned}$$

Out[ ]:= {}

$$\begin{aligned}
 \text{In[ ]:= Solve} & \left[ \left( 1. \cdot \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 (h / l)^2}}{\sqrt{-1. \cdot (l \alpha)^2 + q^2 - 2. \cdot s q + s^2 + (l \alpha)^2 (h / l)^2}} \right. \right. \\
 & \left. \left. \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 (h / l)^2} \right) / \right. \\
 & \left. \left( \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 (h / l)^2} \right) == \right. \\
 & \left( l \sqrt{\left( -4. \cdot - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right. \right. \\
 & \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \\
 & \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \\
 & \frac{450. \cdot l^8 \alpha^8 (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} \\
 & \left. \left. \frac{60. \cdot l^4 \alpha^4 (h / l)^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 (h / l)^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right) / \\
 & \left. \left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 (h / l)^2} \right), h \right]
 \end{aligned}$$

Out[ ]:= {}

Theorem 3 :



$$\begin{aligned}
 & \left( -\frac{1}{l^2} 1 \cdot (-1 \cdot q^6 \cos[\beta]^2 + 6 \cdot q^5 s \cos[\beta]^2 - 15 \cdot q^4 s^2 \cos[\beta]^2 + 20 \cdot q^3 s^3 \cos[\beta]^2 - \right. \\
 & \quad 15 \cdot q^2 s^4 \cos[\beta]^2 + 6 \cdot q s^5 \cos[\beta]^2 - 1 \cdot s^6 \cos[\beta]^2 + 3 \cdot l^2 q^4 \alpha^2 \cos[\beta]^2 - \\
 & \quad 12 \cdot l^2 q^3 s \alpha^2 \cos[\beta]^2 + 18 \cdot l^2 q^2 s^2 \alpha^2 \cos[\beta]^2 - 12 \cdot l^2 q s^3 \alpha^2 \cos[\beta]^2 + \\
 & \quad 3 \cdot l^2 s^4 \alpha^2 \cos[\beta]^2 - 3 \cdot l^4 q^2 \alpha^4 \cos[\beta]^2 + 6 \cdot l^4 q s \alpha^4 \cos[\beta]^2 - \\
 & \quad 3 \cdot l^4 s^2 \alpha^4 \cos[\beta]^2 + 1 \cdot l^6 \alpha^6 \cos[\beta]^2 - 1 \cdot l^2 q^4 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + \\
 & \quad 4 \cdot l^2 q^3 s \alpha^2 \cos[\beta]^2 \sin[\beta]^2 - 6 \cdot l^2 q^2 s^2 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + \\
 & \quad 4 \cdot l^2 q s^3 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 - 1 \cdot l^2 s^4 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + \\
 & \quad 2 \cdot l^4 q^2 \alpha^4 \cos[\beta]^2 \sin[\beta]^2 - 4 \cdot l^4 q s \alpha^4 \cos[\beta]^2 \sin[\beta]^2 + \\
 & \quad \left. 2 \cdot l^4 s^2 \alpha^4 \cos[\beta]^2 \sin[\beta]^2 - 1 \cdot l^6 \alpha^6 \cos[\beta]^2 \sin[\beta]^2) \right)^{\wedge 2} \\
 & \left( (1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^{\wedge 2} (q^2 - 2 \cdot q s + s^2 - 1 \cdot l^2 \alpha^2 + l^2 \alpha^2 \sin[\beta]^2) \right) == \\
 & \left( l \sqrt{\left( -4 \cdot \frac{225 \cdot l^8 \alpha^8}{(1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^4} - \right. \right. \\
 & \quad \frac{450 \cdot l^6 \alpha^6}{(1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^3} - \frac{285 \cdot l^4 \alpha^4}{(1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^2} - \\
 & \quad \frac{60 \cdot l^2 \alpha^2}{1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2} - \frac{225 \cdot l^{10} \alpha^{10} \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^5} - \\
 & \quad \frac{450 \cdot l^8 \alpha^8 \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^4} - \frac{285 \cdot l^6 \alpha^6 \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^3} - \\
 & \quad \left. \left. \frac{60 \cdot l^4 \alpha^4 \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^2} - \frac{4 \cdot l^2 \alpha^2 \sin[\beta]^2}{1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2} \right) \right)
 \end{aligned}$$

Proof :

Further formal investigations yield the following visualizations :

$$\begin{aligned}
 c &= \frac{1. \cdot v \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \sin[\beta]^2}}{\sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \sin[\beta]^2}} = \\
 &\left( l \sqrt{\left( -4. \cdot - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right. \right. \\
 &\quad \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \\
 &\quad \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \\
 &\quad \frac{450. \cdot l^8 \alpha^8 \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \\
 &\quad \left. \left. \frac{60. \cdot l^4 \alpha^4 \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \sin[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right) / \\
 &\left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \sin[\beta]^2} \right)
 \end{aligned}$$

$$\begin{aligned}
 \text{In[*]:= Solve} & \left[ \frac{1. \cdot v \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}}{\sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}} == \right. \\
 & \left( 1. \sqrt{\left( -4. - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right.} \right. \\
 & \quad \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \\
 & \quad \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \\
 & \quad \frac{450. \cdot l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \\
 & \quad \left. \left. \frac{60. \cdot l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right) / \\
 & \left. \left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right), v \right] \\
 \text{Out[*]:=} & \left\{ \left\{ v \rightarrow \left( 1. \sqrt{\left( -4. - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right.} \right.} \right. \\
 & \quad \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \\
 & \quad \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \\
 & \quad \frac{450. \cdot l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \\
 & \quad \left. \left. \frac{60. \cdot l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right) / \\
 & \left. \left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \sqrt{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \right\} \}
 \end{aligned}$$

$$\begin{aligned}
 v^2 = & \left( -\frac{15 l^3 (2q-2s)(-2q+2s)\alpha^2}{4(-q^2+2qs-s^2+l^2\alpha^2)^{7/2}} + \frac{3l(2q-2s)(-2q+2s)}{4(-q^2+2qs-s^2+l^2\alpha^2)^{5/2}} + \frac{3l^3\alpha^2}{(-q^2+2qs-s^2+l^2\alpha^2)^{5/2}} - \right. \\
 & \left. \frac{l}{(-q^2+2qs-s^2+l^2\alpha^2)^{3/2}} \right)^2 = \left( 1 \cdot l \left( -4 \cdot -\frac{225 \cdot l^8 \alpha^8}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^4} - \right. \right. \\
 & \frac{450 \cdot l^6 \alpha^6}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^3} - \frac{285 \cdot l^4 \alpha^4}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^2} - \\
 & \frac{60 \cdot l^2 \alpha^2}{1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2} - \frac{225 \cdot l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^5} - \\
 & \frac{450 \cdot l^8 \alpha^8 \text{Sin}[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^4} - \frac{285 \cdot l^6 \alpha^6 \text{Sin}[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^3} - \\
 & \left. \left. \frac{60 \cdot l^4 \alpha^4 \text{Sin}[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^2} - \frac{4 \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}{1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2} \right) \right) / \\
 & ((1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^2 (1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - \\
 & 1 \cdot l^2 \alpha^2 + 1 \cdot l^2 \alpha^2 \text{Sin}[\beta]^2));
 \end{aligned}$$

$$\begin{aligned}
 \text{In[*]:= Solve}\left[ & \left( 1. \cdot l^2 \left( -4. \cdot - \frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \right. \right. \\
 & \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \\
 & \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \\
 & \frac{450. \cdot l^8 \alpha^8 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \\
 & \left. \left. \frac{60. \cdot l^4 \alpha^4 \text{Sin}[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right] = \\
 & \left( - \frac{15 l^3 (2 q - 2 s) (-2 q + 2 s) \alpha^2}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{7/2}} + \frac{3 l (2 q - 2 s) (-2 q + 2 s)}{4 (-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} + \frac{3 l^3 \alpha^2}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{5/2}} - \right. \\
 & \left. \frac{l}{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)^{3/2}} \right) l^2 (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2 \\
 & (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2), \text{Reals}]
 \end{aligned}$$

... Solve: Solve was unable to solve the system with inexact coefficients. The answer was obtained by solving a corresponding exact system and numericizing the result.

Out[\*]= {{}}

$$\begin{aligned}
 \text{In[*]:= Simplify}\left[ & l^2 (c) = \left( D\left[ D\left[ D\left[ D\left[ \frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha}, q \right], s \right], l \right], \alpha \right] \right)^2 \\
 & (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2 \\
 & (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2) ]
 \end{aligned}$$

$$\begin{aligned}
 \text{In[*]:= Simplify}\left[ & (l^2 (c)) / ((1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2 \right. \\
 & \left. (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2)) \right]
 \end{aligned}$$

$$\begin{aligned}
 \text{Out[*]=} & \frac{c l^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2 (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2 + 1. \cdot l^2 \alpha^2 \text{Sin}[\beta]^2)}
 \end{aligned}$$

$$\text{In[*]:= Solve}\left[\text{Sin}[\beta] == \frac{\sqrt{-(q-s-w)} \sqrt{1-\frac{v^2}{c^2}} \sqrt{(q-s+w) / \sqrt{1-\frac{v^2}{c^2}}}}{w}, v\right]$$

$$\text{Out[*]:= } \left\{ \left\{ v \rightarrow - \left( \left( 1. \sqrt{\left( 8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \text{Sin}[\beta]^2 \right)} \right) / \left( \sqrt{q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2} \right) \right\}, \right. \\ \left. \left\{ v \rightarrow \left( \sqrt{\left( 8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \text{Sin}[\beta]^2 \right)} \right) / \left( \sqrt{q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2} \right) \right\} \right\}$$

$$\text{Since } D\left[D\left[D\left[D\left[\frac{\sqrt{-q^2+2qs-s^2+l^2\alpha^2}}{\alpha}, q\right], s\right], l\right], \alpha\right] =$$

$$v = \frac{\sqrt{-c^2 (l \alpha)^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 (l \alpha)^2 (h / l)^2}}{\sqrt{-1. (l \alpha)^2 + q^2 - 2. s q + s^2 + (l \alpha)^2 (h / l)^2}} = \\ \frac{\sqrt{c^2 q^2 - 2 c^2 q s + c^2 s^2 - c^2 w^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2}}$$

$$\text{Solve}\left[\sqrt{\left(\frac{c l^2}{\left(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2\right)^2}\right)} \left(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2 + 1. l^2 \alpha^2 \text{Sin}[\beta]^2\right)\right] =$$

$$D\left[D\left[D\left[D\left[\frac{\sqrt{-q^2+2qs-s^2+l^2\alpha^2}}{\alpha}, q\right], s\right], l\right], \alpha\right], c] = D[D[l \text{Sin}[\beta], l], \beta] = \text{Cos}[\beta]$$

$$\text{In[*]:= Solve}\left[\sqrt{\left(\frac{c l^2}{\left(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2\right)^2}\right)} \left(1. q^2 - 2. q s + 1. s^2 - 1. l^2 \alpha^2 + 1. l^2 \alpha^2 \text{Sin}[\beta]^2\right)\right] = \text{Cos}[\beta], c]$$

$$\text{Out[*]:= } \left\{ \left\{ c \rightarrow - \frac{1}{l^2} 1. \left(-1. q^6 \text{Cos}[\beta]^2 + 6. q^5 s \text{Cos}[\beta]^2 - 15. q^4 s^2 \text{Cos}[\beta]^2 + 20. q^3 s^3 \text{Cos}[\beta]^2 - 15. q^2 s^4 \text{Cos}[\beta]^2 + 6. q s^5 \text{Cos}[\beta]^2 - 1. s^6 \text{Cos}[\beta]^2 + 3. l^2 q^4 \alpha^2 \text{Cos}[\beta]^2 - 12. l^2 q^3 s \alpha^2 \text{Cos}[\beta]^2 + 18. l^2 q^2 s^2 \alpha^2 \text{Cos}[\beta]^2 - 12. l^2 q s^3 \alpha^2 \text{Cos}[\beta]^2 + 3. l^2 s^4 \alpha^2 \text{Cos}[\beta]^2 - 3. l^4 q^2 \alpha^4 \text{Cos}[\beta]^2 + 6. l^4 q s \alpha^4 \text{Cos}[\beta]^2 - 3. l^4 s^2 \alpha^4 \text{Cos}[\beta]^2 + 1. l^6 \alpha^6 \text{Cos}[\beta]^2 - 1. l^2 q^4 \alpha^2 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 + 4. l^2 q^3 s \alpha^2 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 - 6. l^2 q^2 s^2 \alpha^2 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 + 4. l^2 q s^3 \alpha^2 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 - 1. l^2 s^4 \alpha^2 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 + 2. l^4 q^2 \alpha^4 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 - 4. l^4 q s \alpha^4 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 + 2. l^4 s^2 \alpha^4 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2 - 1. l^6 \alpha^6 \text{Cos}[\beta]^2 \text{Sin}[\beta]^2\right) \right\} \right\}$$

$$\text{In[*]:= } c := 2.99792458 \cdot 10^8$$

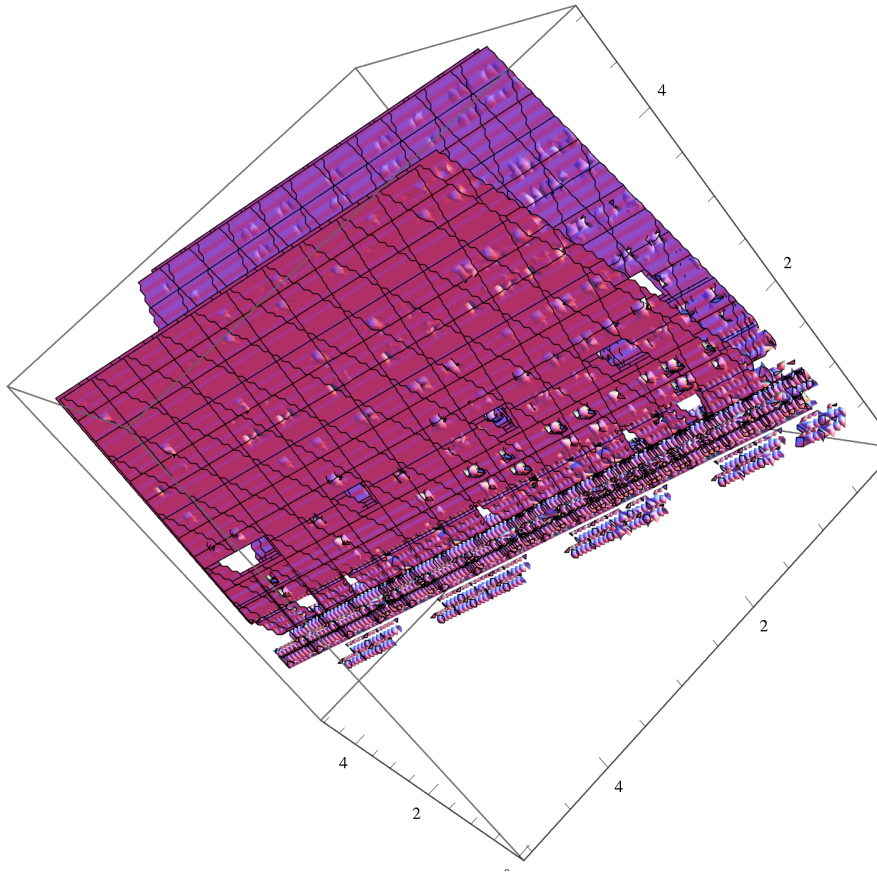
In[ ]:= Manipulate[ContourPlot3D[

$$\left( -\frac{1}{l^2} 1. \cdot (-1. \cdot q^6 \cos[\beta]^2 + 6. \cdot q^5 s \cos[\beta]^2 - 15. \cdot q^4 s^2 \cos[\beta]^2 + 20. \cdot q^3 s^3 \cos[\beta]^2 - 15. \cdot q^2 s^4 \cos[\beta]^2 + 6. \cdot q s^5 \cos[\beta]^2 - 1. \cdot s^6 \cos[\beta]^2 + 3. \cdot l^2 q^4 \alpha^2 \cos[\beta]^2 - 12. \cdot l^2 q^3 s \alpha^2 \cos[\beta]^2 + 18. \cdot l^2 q^2 s^2 \alpha^2 \cos[\beta]^2 - 12. \cdot l^2 q s^3 \alpha^2 \cos[\beta]^2 + 3. \cdot l^2 s^4 \alpha^2 \cos[\beta]^2 - 3. \cdot l^4 q^2 \alpha^4 \cos[\beta]^2 + 6. \cdot l^4 q s \alpha^4 \cos[\beta]^2 - 3. \cdot l^4 s^2 \alpha^4 \cos[\beta]^2 + 1. \cdot l^6 \alpha^6 \cos[\beta]^2 - 1. \cdot l^2 q^4 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + 4. \cdot l^2 q^3 s \alpha^2 \cos[\beta]^2 \sin[\beta]^2 - 6. \cdot l^2 q^2 s^2 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + 4. \cdot l^2 q s^3 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 - 1. \cdot l^2 s^4 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + 2. \cdot l^4 q^2 \alpha^4 \cos[\beta]^2 \sin[\beta]^2 - 4. \cdot l^4 q s \alpha^4 \cos[\beta]^2 \sin[\beta]^2 + 2. \cdot l^4 s^2 \alpha^4 \cos[\beta]^2 \sin[\beta]^2 - 1. \cdot l^6 \alpha^6 \cos[\beta]^2 \sin[\beta]^2) \right)^2$$

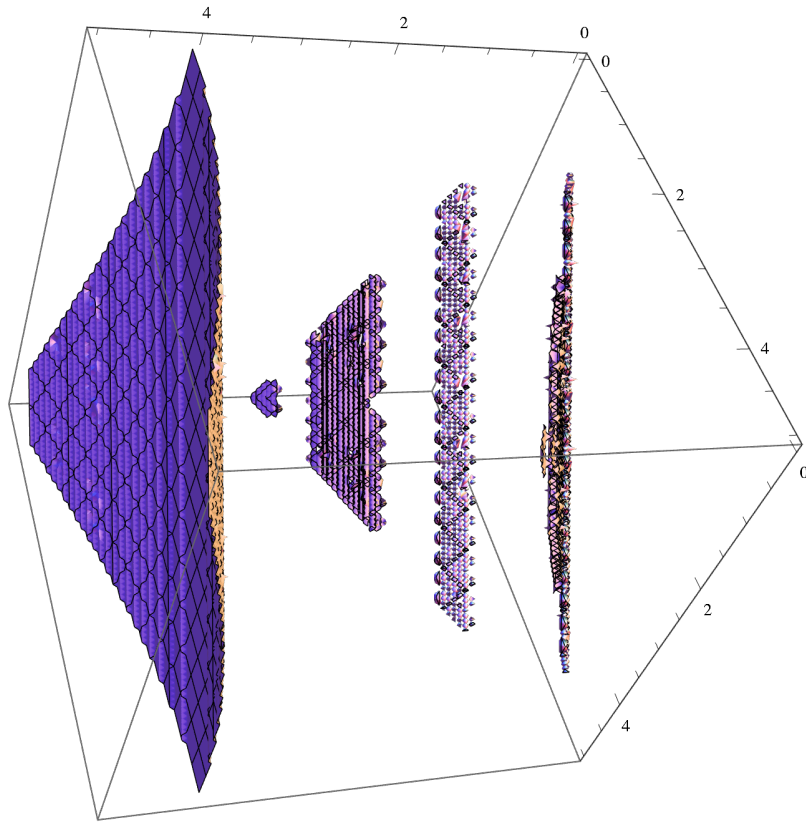
$$\left( (1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2) \right)^2 \left( q^2 - 2. \cdot q s + s^2 - 1. \cdot l^2 \alpha^2 + l^2 \alpha^2 \sin[\beta]^2 \right) ==$$

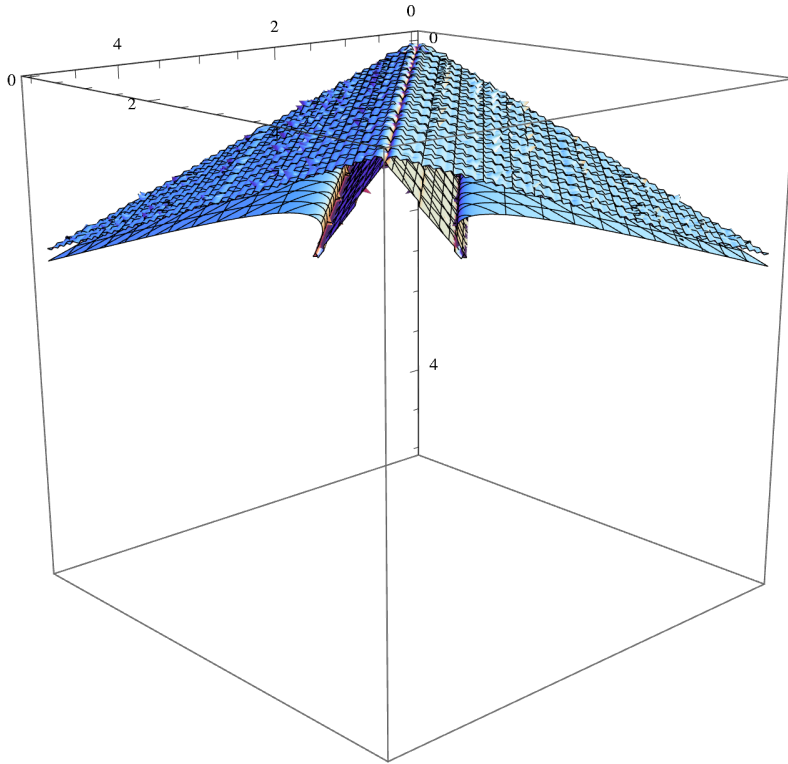
$$\left( l \sqrt{\left( -4. \cdot -\frac{225. \cdot l^8 \alpha^8}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{450. \cdot l^6 \alpha^6}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{285. \cdot l^4 \alpha^4}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{60. \cdot l^2 \alpha^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} - \frac{225. \cdot l^{10} \alpha^{10} \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^5} - \frac{450. \cdot l^8 \alpha^8 \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^4} - \frac{285. \cdot l^6 \alpha^6 \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^3} - \frac{60. \cdot l^4 \alpha^4 \sin[\beta]^2}{(1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2)^2} - \frac{4. \cdot l^2 \alpha^2 \sin[\beta]^2}{1. \cdot q^2 - 2. \cdot q s + 1. \cdot s^2 - 1. \cdot l^2 \alpha^2} \right) \right),$$

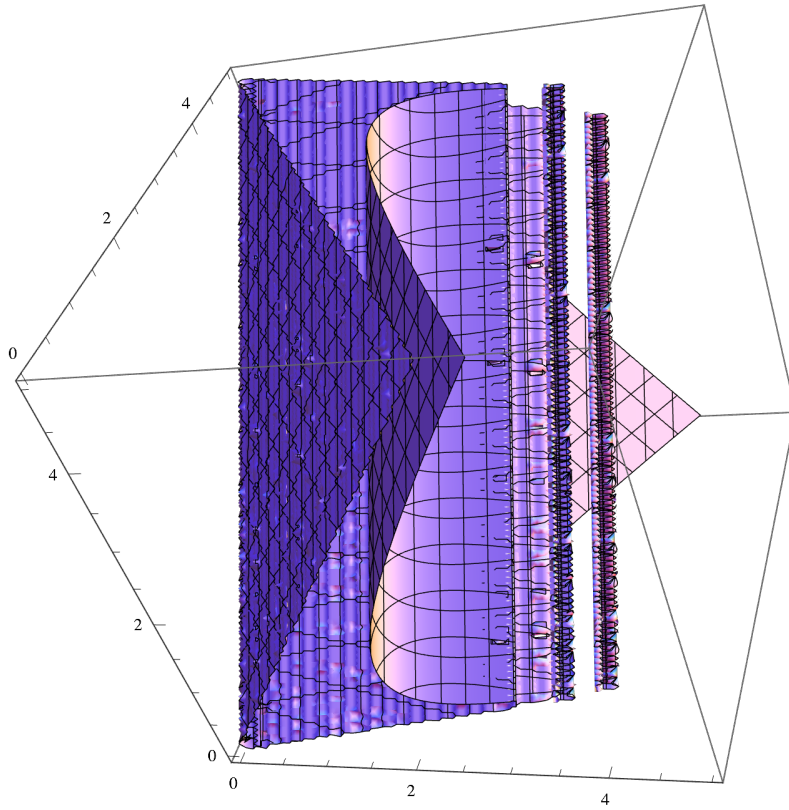
{l, 0, 5}, {q, 0, 5}, {s, 0, 5}, PlotTheme -> {"Classic", "ClassicLights"}], {\alpha, 0, 2 \pi}, {\beta, 0, \pi / 2}]

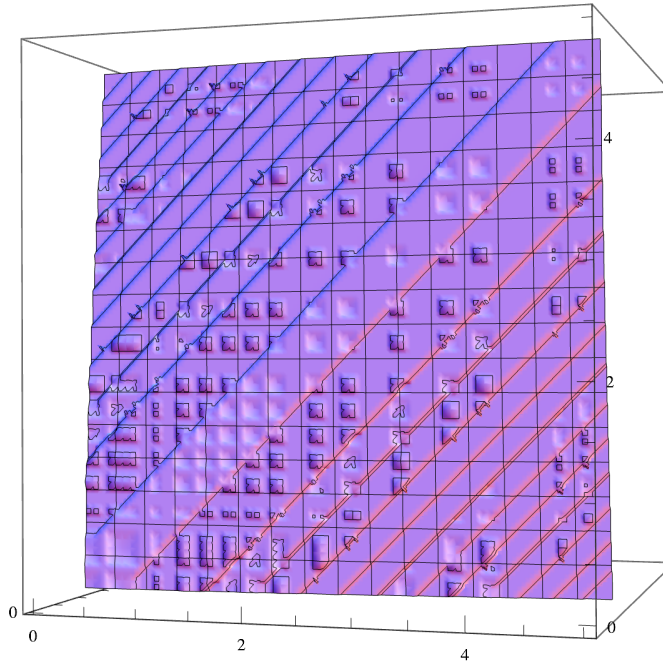






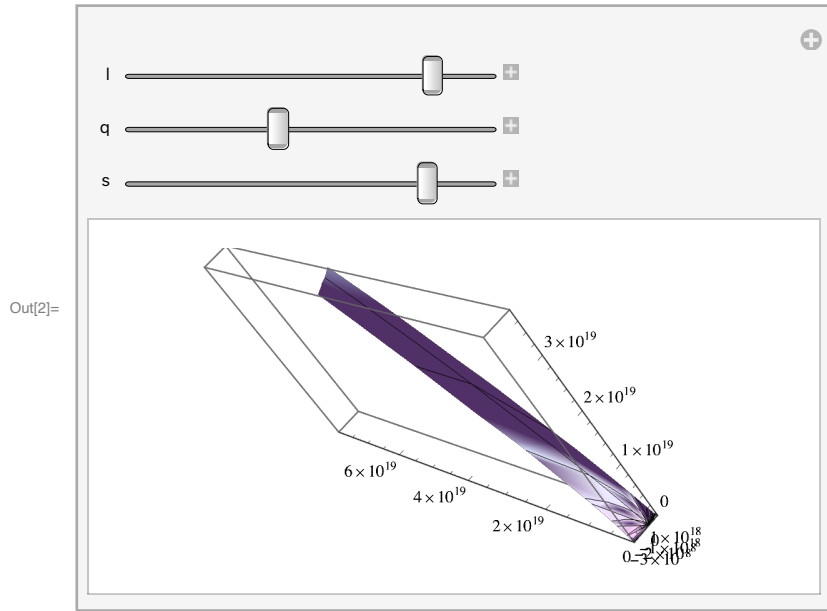






```

In[2]:= Manipulate[SphericalPlot3D[
  (- 1/l^2 1. (-1. q^6 Cos[β]^2 + 6. q^5 s Cos[β]^2 - 15. q^4 s^2 Cos[β]^2 + 20. q^3 s^3 Cos[β]^2 -
  15. q^2 s^4 Cos[β]^2 + 6. q s^5 Cos[β]^2 - 1. s^6 Cos[β]^2 + 3. l^2 q^4 α^2 Cos[β]^2 -
  12. l^2 q^3 s α^2 Cos[β]^2 + 18. l^2 q^2 s^2 α^2 Cos[β]^2 - 12. l^2 q s^3 α^2 Cos[β]^2 +
  3. l^2 s^4 α^2 Cos[β]^2 - 3. l^4 q^2 α^4 Cos[β]^2 + 6. l^4 q s α^4 Cos[β]^2 -
  3. l^4 s^2 α^4 Cos[β]^2 + 1. l^6 α^6 Cos[β]^2 - 1. l^2 q^4 α^2 Cos[β]^2 Sin[β]^2 +
  4. l^2 q^3 s α^2 Cos[β]^2 Sin[β]^2 - 6. l^2 q^2 s^2 α^2 Cos[β]^2 Sin[β]^2 +
  4. l^2 q s^3 α^2 Cos[β]^2 Sin[β]^2 - 1. l^2 s^4 α^2 Cos[β]^2 Sin[β]^2 +
  2. l^4 q^2 α^4 Cos[β]^2 Sin[β]^2 - 4. l^4 q s α^4 Cos[β]^2 Sin[β]^2 +
  2. l^4 s^2 α^4 Cos[β]^2 Sin[β]^2 - 1. l^6 α^6 Cos[β]^2 Sin[β]^2) ^2
  ((1. q^2 - 2. q s + 1. s^2 - 1. l^2 α^2) ^2 (q^2 - 2. q s + s^2 - 1. l^2 α^2 + l^2 α^2 Sin[β]^2)),
  {α, 0, 2 π}, {β, 0, π / 2}, PlotTheme →
  {"Classic", "ClassicLights"}],
  {l, 0, 5}, {q, 0, 5}, {s,
  0,
  5}]
  
```



... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **General:** Further output of Power::infy will be suppressed during this calculation.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

... **General:** Further output of Infinity::indet will be suppressed during this calculation.

In[ ]:= **Manipulate**[**ContourPlot3D**[

$$\left( \left( -\frac{1}{l^2} l \cdot (-1 \cdot q^6 \cos[\beta]^2 + 6 \cdot q^5 s \cos[\beta]^2 - 15 \cdot q^4 s^2 \cos[\beta]^2 + 20 \cdot q^3 s^3 \cos[\beta]^2 - 15 \cdot q^2 s^4 \cos[\beta]^2 + 6 \cdot q s^5 \cos[\beta]^2 - 1 \cdot s^6 \cos[\beta]^2 + 3 \cdot l^2 q^4 \alpha^2 \cos[\beta]^2 - 12 \cdot l^2 q^3 s \alpha^2 \cos[\beta]^2 + 18 \cdot l^2 q^2 s^2 \alpha^2 \cos[\beta]^2 - 12 \cdot l^2 q s^3 \alpha^2 \cos[\beta]^2 + 3 \cdot l^2 s^4 \alpha^2 \cos[\beta]^2 - 3 \cdot l^4 q^2 \alpha^4 \cos[\beta]^2 + 6 \cdot l^4 q s \alpha^4 \cos[\beta]^2 - 3 \cdot l^4 s^2 \alpha^4 \cos[\beta]^2 + 1 \cdot l^6 \alpha^6 \cos[\beta]^2 - 1 \cdot l^2 q^4 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + 4 \cdot l^2 q^3 s \alpha^2 \cos[\beta]^2 \sin[\beta]^2 - 6 \cdot l^2 q^2 s^2 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + 4 \cdot l^2 q s^3 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 - 1 \cdot l^2 s^4 \alpha^2 \cos[\beta]^2 \sin[\beta]^2 + 2 \cdot l^4 q^2 \alpha^4 \cos[\beta]^2 \sin[\beta]^2 - 4 \cdot l^4 q s \alpha^4 \cos[\beta]^2 \sin[\beta]^2 + 2 \cdot l^4 s^2 \alpha^4 \cos[\beta]^2 \sin[\beta]^2 - 1 \cdot l^6 \alpha^6 \cos[\beta]^2 \sin[\beta]^2) \right)^2 \right. \\ \left. \left( (1 \cdot q^2 - 2 \cdot q s + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2) \right)^2 (q^2 - 2 \cdot q s + s^2 - \right.$$

$$\left( \left( \sqrt[5]{\left( \frac{1 \cdot l^2 \alpha^2 + l^2 \alpha^2 \sin[\beta]^2}{\alpha} \right)} \right) \left( -4 \cdot \frac{225 \cdot l^8 \alpha^8}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^4} - \frac{450 \cdot l^6 \alpha^6}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^3} - \frac{285 \cdot l^4 \alpha^4}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^2} - \frac{60 \cdot l^2 \alpha^2}{1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2} - \frac{225 \cdot l^{10} \alpha^{10} \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^5} - \frac{450 \cdot l^8 \alpha^8 \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^4} - \frac{285 \cdot l^6 \alpha^6 \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^3} - \frac{60 \cdot l^4 \alpha^4 \sin[\beta]^2}{(1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2)^2} - \frac{4 \cdot l^2 \alpha^2 \sin[\beta]^2}{1 \cdot q^2 - 2 \cdot qs + 1 \cdot s^2 - 1 \cdot l^2 \alpha^2} \right) \right) ==$$

$$\left( \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} \right) / (l \sin[\beta]), \{l,$$

$$0,$$

$$5\},$$

$$\{q,$$

$$0,$$

$$5\}, \{s,$$

$$0,$$

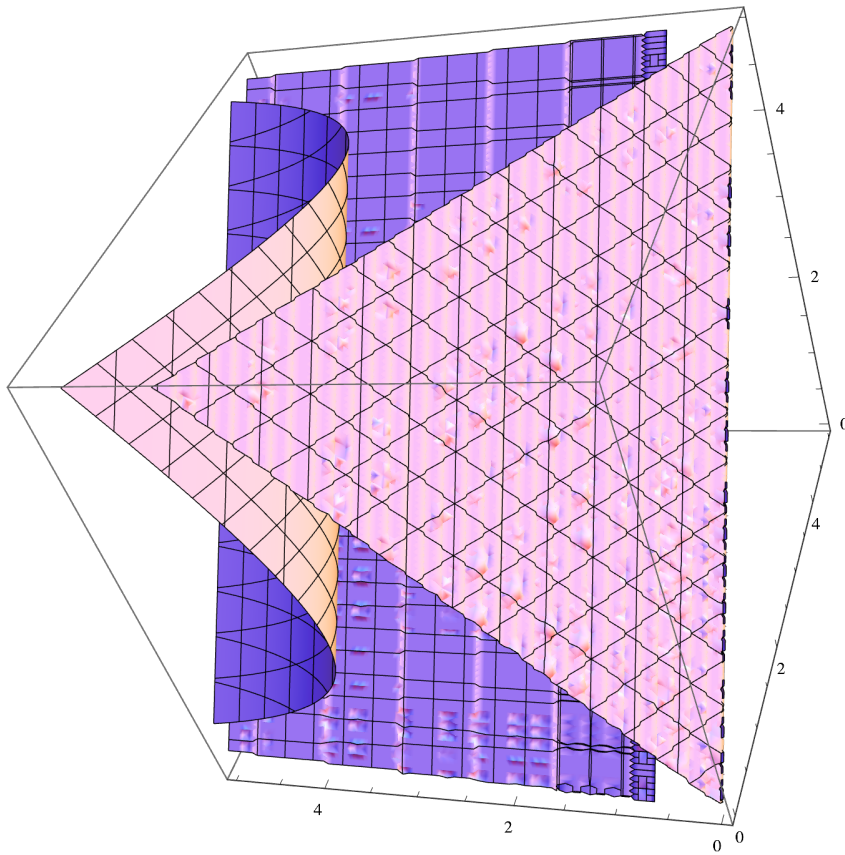
$$5\},$$

PlotTheme →

```

{"Classic",
 "ClassicLights"}],
{α, 0, 2 π}, {β, 0, π / 2} ]

```



```
ContourPlot3D[{r * Sin[theta] * Cos[phi] + r * Sin[theta] * Sin[phi] + r * Cos[theta] == 1},
  {r, 0, 1}, {theta, 0, Pi}, {phi, 0, 2 * Pi}, AxesLabel -> Automatic]
```

```
In[ ]:= q := l * Sin[theta] * Cos[alpha]
```

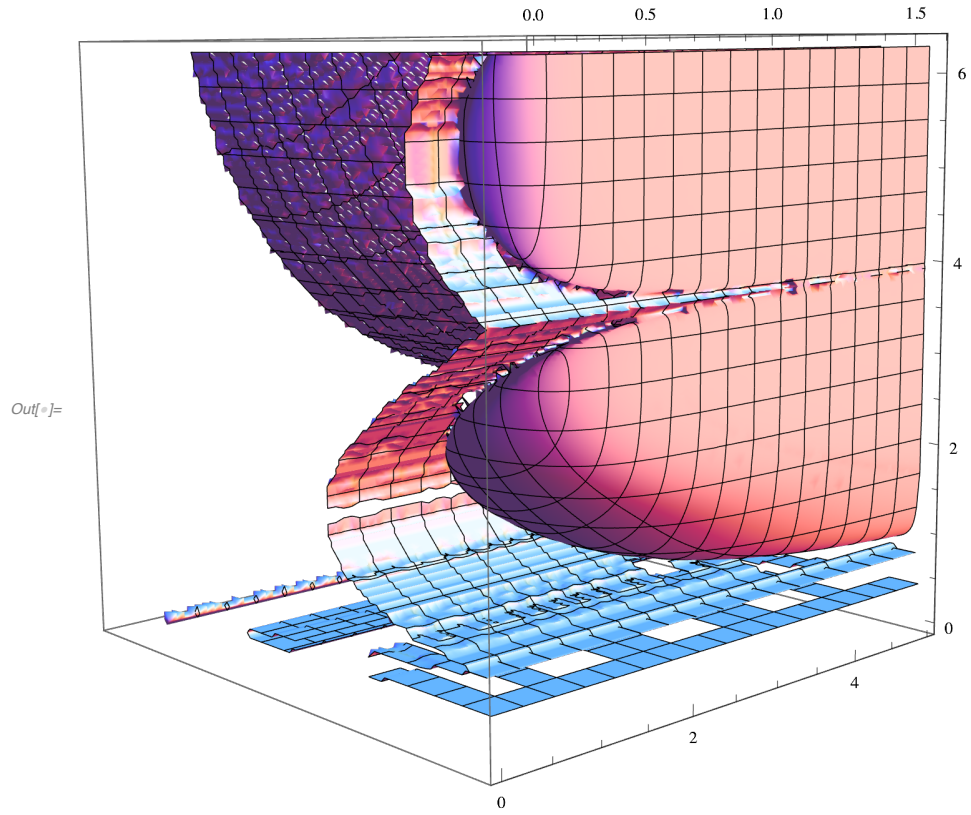
```
In[ ]:= s := l * Sin[theta] * Sin[alpha]
```

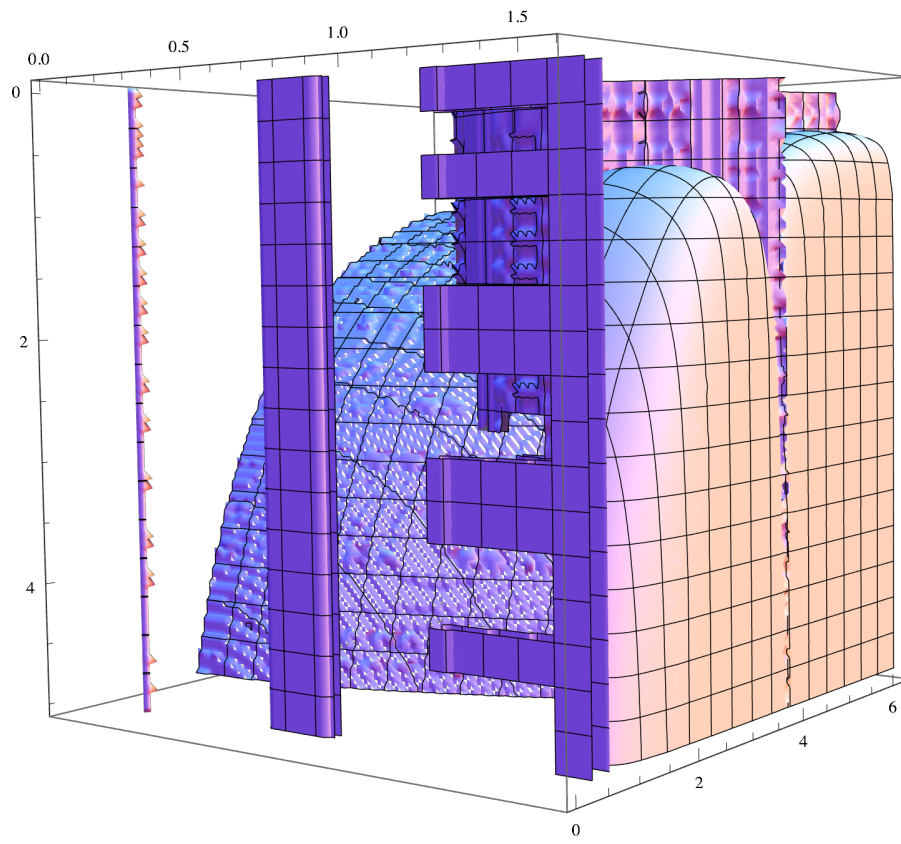
```

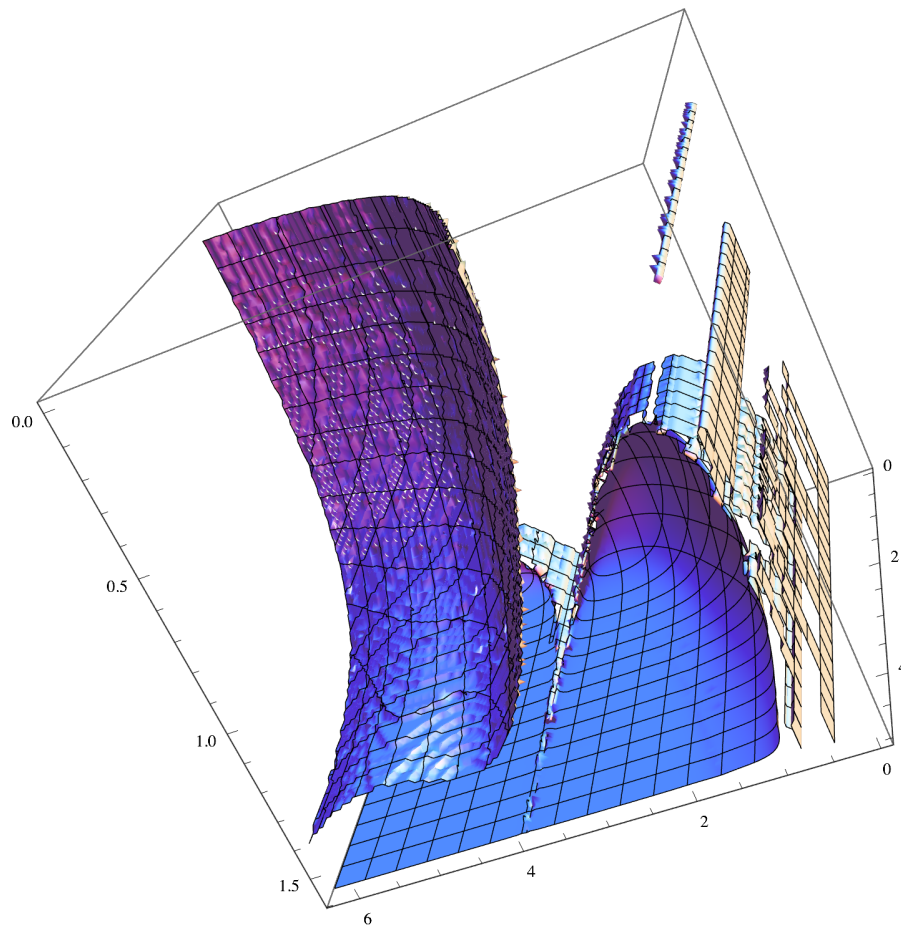
In[ ]:= ContourPlot3D[
  ( - 1/l^2 1. ( -1. q^6 Cos[beta]^2 + 6. q^5 s Cos[beta]^2 - 15. q^4 s^2 Cos[beta]^2 + 20. q^3 s^3 Cos[beta]^2 -
    15. q^2 s^4 Cos[beta]^2 + 6. q s^5 Cos[beta]^2 - 1. s^6 Cos[beta]^2 + 3. l^2 q^4 alpha^2 Cos[beta]^2 -
    12. l^2 q^3 s alpha^2 Cos[beta]^2 + 18. l^2 q^2 s^2 alpha^2 Cos[beta]^2 - 12. l^2 q s^3 alpha^2 Cos[beta]^2 +
    3. l^2 s^4 alpha^2 Cos[beta]^2 - 3. l^4 q^2 alpha^4 Cos[beta]^2 + 6. l^4 q s alpha^4 Cos[beta]^2 -
    3. l^4 s^2 alpha^4 Cos[beta]^2 + 1. l^6 alpha^6 Cos[beta]^2 - 1. l^2 q^4 alpha^2 Cos[beta]^2 Sin[beta]^2 +
    4. l^2 q^3 s alpha^2 Cos[beta]^2 Sin[beta]^2 - 6. l^2 q^2 s^2 alpha^2 Cos[beta]^2 Sin[beta]^2 +
    4. l^2 q s^3 alpha^2 Cos[beta]^2 Sin[beta]^2 - 1. l^2 s^4 alpha^2 Cos[beta]^2 Sin[beta]^2 +
    2. l^4 q^2 alpha^4 Cos[beta]^2 Sin[beta]^2 - 4. l^4 q s alpha^4 Cos[beta]^2 Sin[beta]^2 +
    2. l^4 s^2 alpha^4 Cos[beta]^2 Sin[beta]^2 - 1. l^6 alpha^6 Cos[beta]^2 Sin[beta]^2 ) ^2
  ((1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2) ^2 (q^2 - 2. q s + s^2 - 1. l^2 alpha^2 + l^2 alpha^2 Sin[beta]^2)) ==
  ( l Sqrt[ ( -4. - 225. l^8 alpha^8 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2)^4 -
    450. l^6 alpha^6 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2)^3 - 285. l^4 alpha^4 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2)^2 -
    60. l^2 alpha^2 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2) - 225. l^10 alpha^10 Sin[beta]^2 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2)^5 -
    450. l^8 alpha^8 Sin[beta]^2 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2)^4 - 285. l^6 alpha^6 Sin[beta]^2 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2)^3 -
    60. l^4 alpha^4 Sin[beta]^2 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2)^2 - 4. l^2 alpha^2 Sin[beta]^2 / (1. q^2 - 2. q s + 1. s^2 - 1. l^2 alpha^2) ) ] ),
  {alpha, 0, 2 pi}, {beta, 0, pi/2}, {l, 0, 5}, PlotTheme ->
  {"Classic",
   "ClassicLights"}]

```





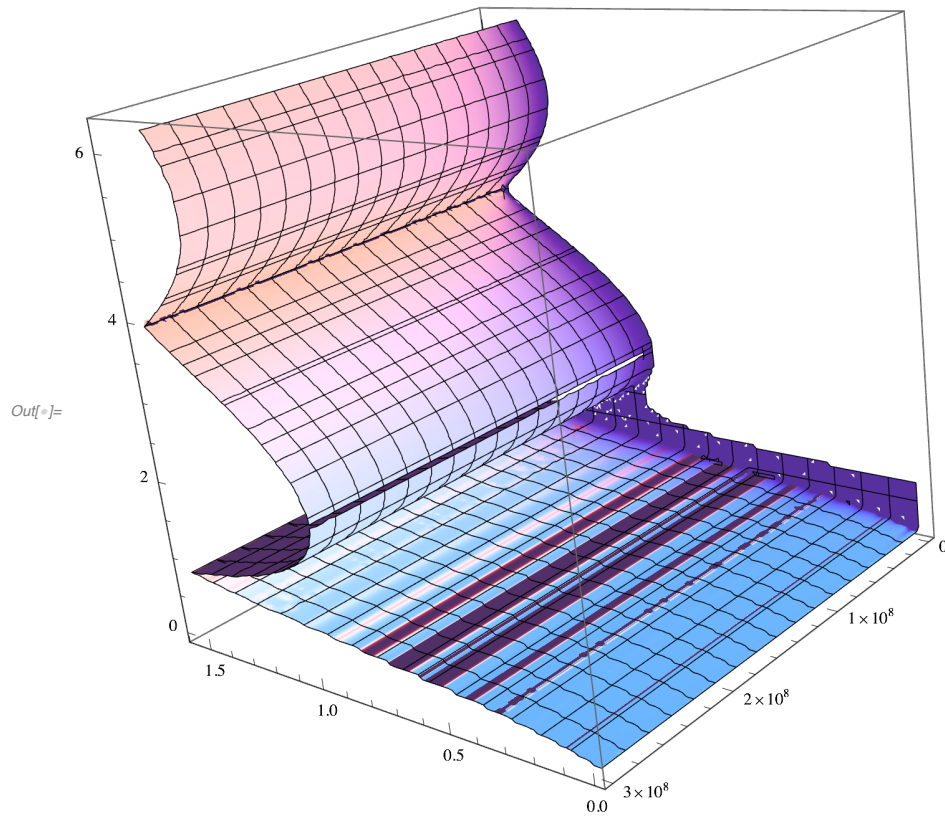


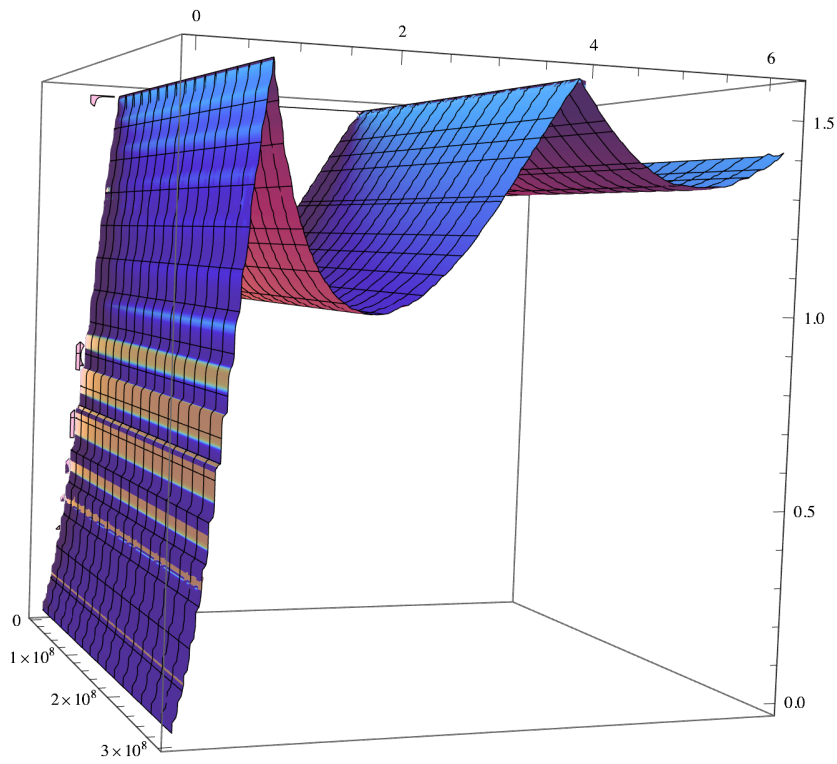
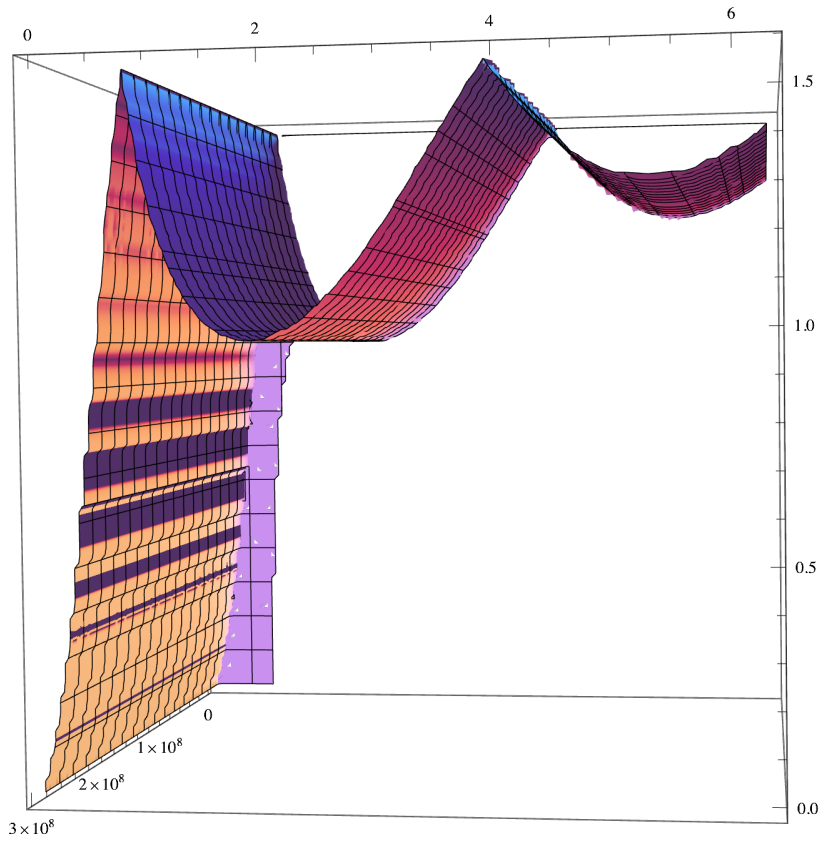


```

In[ ]:= ContourPlot3D[
  ( - 1/l^2 1. ` (-1. ` q^6 Cos[β]^2 + 6. ` q^5 s Cos[β]^2 - 15. ` q^4 s^2 Cos[β]^2 + 20. ` q^3 s^3 Cos[β]^2 -
    15. ` q^2 s^4 Cos[β]^2 + 6. ` q s^5 Cos[β]^2 - 1. ` s^6 Cos[β]^2 + 3. ` l^2 q^4 α^2 Cos[β]^2 -
    12. ` l^2 q^3 s α^2 Cos[β]^2 + 18. ` l^2 q^2 s^2 α^2 Cos[β]^2 - 12. ` l^2 q s^3 α^2 Cos[β]^2 +
    3. ` l^2 s^4 α^2 Cos[β]^2 - 3. ` l^4 q^2 α^4 Cos[β]^2 + 6. ` l^4 q s α^4 Cos[β]^2 -
    3. ` l^4 s^2 α^4 Cos[β]^2 + 1. ` l^6 α^6 Cos[β]^2 - 1. ` l^2 q^4 α^2 Cos[β]^2 Sin[β]^2 +
    4. ` l^2 q^3 s α^2 Cos[β]^2 Sin[β]^2 - 6. ` l^2 q^2 s^2 α^2 Cos[β]^2 Sin[β]^2 +
    4. ` l^2 q s^3 α^2 Cos[β]^2 Sin[β]^2 - 1. ` l^2 s^4 α^2 Cos[β]^2 Sin[β]^2 +
    2. ` l^4 q^2 α^4 Cos[β]^2 Sin[β]^2 - 4. ` l^4 q s α^4 Cos[β]^2 Sin[β]^2 +
    2. ` l^4 s^2 α^4 Cos[β]^2 Sin[β]^2 - 1. ` l^6 α^6 Cos[β]^2 Sin[β]^2 ) ^2
  ((1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2) ^2 (q^2 - 2. ` q s + s^2 - 1. ` l^2 α^2 + l^2 α^2 Sin[β]^2) ) ==
  ( l Sqrt[ ( -4. ` - 225. ` l^8 α^8 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2)^4 -
    (450. ` l^6 α^6 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2)^3 - 285. ` l^4 α^4 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2)^2 -
    60. ` l^2 α^2 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2) - 225. ` l^10 α^10 Sin[β]^2 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2)^5 -
    450. ` l^8 α^8 Sin[β]^2 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2)^4 - 285. ` l^6 α^6 Sin[β]^2 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2)^3 -
    60. ` l^4 α^4 Sin[β]^2 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2)^2 - 4. ` l^2 α^2 Sin[β]^2 / (1. ` q^2 - 2. ` q s + 1. ` s^2 - 1. ` l^2 α^2) ) ],
  {α, 0, 2 π}, {β, 0, π / 2}, {l, 0, c}, PlotTheme →
  {"Classic",
  "ClassicLights"}]

```





```
In[ ]:= c := 2.99792458` * 10^8
```

# Real Analysis of Phenomenological Velocity

by Parker Emmerson

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\&$$

$$\left( q > s \ \&\& l > 0 \ \&\& a > \frac{q-s}{l} \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& c > 0 \right)$$

*Abstract: Performing this real analysis of the Phenomenological Velocity shows that the computed solution to the phenomenological velocity,  $v = \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}}$  from solving the equality:*

$$h = \frac{\sqrt{-q^2 + 2 q s - s^2 + l^2 \alpha^2}}{\alpha} = \frac{\sqrt{-(q-s-l\alpha)} \sqrt{(q-s+l\alpha)}}{\alpha} = \frac{\sqrt{(l\alpha+x\gamma-r\theta)} \sqrt{1-\frac{v^2}{c^2}} \sqrt{(l\alpha-x\gamma+r\theta)} / \sqrt{1-\frac{v^2}{c^2}}}{\alpha}$$

*within the Lorentz Coefficient satisfies the conditions placed upon it by a full Real Analysis of the form found when not using a specified constant for c. Therefore, the computed phenomenological velocity is a true solution.*

$$\text{In[*]} := \text{Solve} \left[ \frac{\sqrt{-(q-s-l\alpha)} \sqrt{1-\frac{v^2}{c^2}} \sqrt{(q-s+l\alpha)} / \sqrt{1-\frac{v^2}{c^2}}}{\alpha} = l \text{Sin}[\beta], \text{Reals} \right]$$

$$\left\{ \left\{ \beta \rightarrow -\text{ArcSin} \left[ \frac{\sqrt{-c} \sqrt{\frac{q-s+l\alpha}{\sqrt{1-\frac{v^2}{c^2}}}} \sqrt{\sqrt{c^2-v^2} (-q+s+l\alpha)}}{c l \alpha} \right] + 2 \pi c_1 \ \text{if} \right. \right. \left. \left. \begin{aligned} & \left( l > 0 \ \&\& \alpha \geq \frac{q-s}{l} \ \&\& c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& c_1 \in \mathbb{Z} \ \&\& s < q \right) \ || \\ & \left( s > q \ \&\& l > 0 \ \&\& \alpha \geq \frac{-q+s}{l} \ \&\& c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& c_1 \in \mathbb{Z} \right) \ || \\ & \left( s > q \ \&\& c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& c_1 \in \mathbb{Z} \ \&\& l < 0 \ \&\& \alpha \leq \frac{-q+s}{l} \right) \ || \\ & \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& c_1 \in \mathbb{Z} \ \&\& l < 0 \ \&\& s < q \ \&\& \alpha \leq \frac{q-s}{l} \right) \end{aligned} \right. \right\},$$



$$\left\{ \beta \rightarrow \pi + \text{ArcSin} \left[ \frac{\sqrt{-c} \sqrt{\frac{q-s+l\alpha}{\sqrt{1-\frac{v^2}{c^2}}}} \sqrt{\sqrt{c^2-v^2} (-q+s+l\alpha)}}{c l \alpha} \right] + 2 \pi c_1 \right\},$$

if  $\left( l > 0 \ \&\& \ \alpha \geq \frac{q-s}{l} \ \&\& \ c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ s < q \right) \parallel$

$\left( s > q \ \&\& \ l > 0 \ \&\& \ \alpha \geq \frac{-q+s}{l} \ \&\& \ c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \parallel$

$\left( s > q \ \&\& \ c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha \leq \frac{-q+s}{l} \right) \parallel$

$\left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ s < q \ \&\& \ \alpha \leq \frac{q-s}{l} \right)$

$$\left\{ \beta \rightarrow \pi - \text{ArcSin} \left[ \frac{\sqrt{\frac{q-s+l\alpha}{\sqrt{1-\frac{v^2}{c^2}}}} \sqrt{\sqrt{c^2-v^2} (-q+s+l\alpha)}}{\sqrt{c} l \alpha} \right] + 2 \pi c_1 \right\} \text{ if}$$

$\left( c > 0 \ \&\& \ l > 0 \ \&\& \ \alpha \geq \frac{q-s}{l} \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ s < q \right) \parallel$

$\left( c > 0 \ \&\& \ s > q \ \&\& \ l > 0 \ \&\& \ \alpha \geq \frac{-q+s}{l} \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \parallel$

$\left( c > 0 \ \&\& \ s > q \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha \leq \frac{-q+s}{l} \right) \parallel$

$\left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ s < q \ \&\& \ \alpha \leq \frac{q-s}{l} \right)$

$$\left\{ \beta \rightarrow \text{ArcSin} \left[ \frac{\sqrt{\frac{q-s+l\alpha}{\sqrt{1-\frac{v^2}{c^2}}}} \sqrt{\sqrt{c^2-v^2} (-q+s+l\alpha)}}{\sqrt{c} l \alpha} \right] + 2 \pi c_1 \right\} \text{ if}$$

$\left( c > 0 \ \&\& \ l > 0 \ \&\& \ \alpha \geq \frac{q-s}{l} \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ s < q \right) \parallel$

$\left( c > 0 \ \&\& \ s > q \ \&\& \ l > 0 \ \&\& \ \alpha \geq \frac{-q+s}{l} \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \parallel$

$\left( c > 0 \ \&\& \ s > q \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha \leq \frac{-q+s}{l} \right) \parallel$

$\left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ s < q \ \&\& \ \alpha \leq \frac{q-s}{l} \right)$

$$\left\{ l \rightarrow 0 \text{ if } \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \right\},$$

$$s \rightarrow q \text{ if } \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \ || \ \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \ \Big\},$$

$$\left\{ s \rightarrow q \text{ if } \left( c > 0 \ \&\& \ l > 0 \ \&\& \ \alpha > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \ , \right. \\ \left. \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right) \right\},$$

$$\beta \rightarrow \pi - \text{ArcSin} \left[ \frac{\sqrt{l} \sqrt{c^2 - v^2} \alpha \sqrt{\frac{l \alpha}{\sqrt{1 - \frac{v^2}{c^2}}}}}{\sqrt{c} l \alpha} \right] + 2 \pi c_1 \Big\},$$

$$\text{if } \left( c > 0 \ \&\& \ l > 0 \ \&\& \ \alpha > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \\ \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right)$$

$$\left\{ s \rightarrow q \text{ if } \left( c > 0 \ \&\& \ l > 0 \ \&\& \ \alpha > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \ , \right. \\ \left. \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right) \right\},$$

$$\beta \rightarrow \text{ArcSin} \left[ \frac{\sqrt{l} \sqrt{c^2 - v^2} \alpha \sqrt{\frac{l \alpha}{\sqrt{1 - \frac{v^2}{c^2}}}}}{\sqrt{c} l \alpha} \right] + 2 \pi c_1 \text{ if } \Big\},$$

$$\left( c > 0 \ \&\& \ l > 0 \ \&\& \ \alpha > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \\ \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right)$$

$$\left\{ s \rightarrow q \text{ if } \left( l > 0 \ \&\& \ \alpha > 0 \ \&\& \ c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \ , \right. \\ \left. \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right) \right\},$$

$$\beta \rightarrow -\text{ArcSin} \left[ \frac{\sqrt{-c} \sqrt{l} \sqrt{c^2 - v^2} \alpha \sqrt{\frac{l \alpha}{\sqrt{1 - \frac{v^2}{c^2}}}}}{c l \alpha} \right] + 2 \pi c_1 \Big\},$$

$$\text{if } \left( l > 0 \ \&\& \ \alpha > 0 \ \&\& \ c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \\ \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right)$$

$$\left\{ s \rightarrow q \text{ if } \left( l > 0 \ \&\& \ \alpha > 0 \ \&\& \ c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \right. \\ \left. \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right) \right\}$$

$$\beta \rightarrow \left. \left. \begin{aligned} & \pi + \text{ArcSin} \left[ \frac{\sqrt{-c} \sqrt{l} \sqrt{c^2 - v^2} \alpha \sqrt{\frac{l \alpha}{\sqrt{1 - \frac{v^2}{c^2}}}}}{c l \alpha} \right] + 2 \pi c_1 \\ & \text{if } \left( l > 0 \ \&\& \ \alpha > 0 \ \&\& \ c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \right) \ || \\ & \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& \ c_1 \in \mathbb{Z} \ \&\& \ l < 0 \ \&\& \ \alpha < 0 \right) \end{aligned} \right\} \right\}$$

In[ ]:= Reduce[

(Sqrt[(a l + q - s) / Sqrt[1 - v^2 / c^2]] Sqrt[-((- (a l) + q - s) Sqrt[1 - v^2 / c^2])]) /  
a == l Sin[b], {v}, Reals]

Out[ ]:= q < s &&

$$\left( \left( l < 0 \ \&\& \ \left( a < \frac{-q + s}{l} \ \&\& \ \text{Sin}[b] == \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \ || \right. \right. \right. \\ \left. \left. \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \ || \ \left( a == \frac{-q + s}{l} \ \&\& \ \text{Sin}[b] == 0 \ \&\& \right.$$

$$\left. \left. \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \ || \ \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \ || \right)$$

$$\left( l > 0 \ \&\& \ \left( a == \frac{-q + s}{l} \ \&\& \ \text{Sin}[b] == 0 \ \&\& \ \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \ || \ \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \ || \ \left( a > \frac{-q + s}{l} \ \&\& \ \text{Sin}[b] == \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ \right.$$

$$\left. \left. \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \ || \ \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \right) \ || \right)$$

$$\left( q = s \ \&\& \ \left( \left( l < 0 \ \&\& \ a < 0 \ \&\& \ \text{Sin}[b] == \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ \right. \right. \right)$$

$$\left. \left. \left( c < 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \ || \ \left( c > 0 \ \&\& \ -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \ || \right)$$

$$\begin{aligned}
 & \left( l = 0 \ \&\& \left( a < 0 \ \&\& \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c > 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \parallel \right. \\
 & \quad \left. \left( a > 0 \ \&\& \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c > 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \parallel \parallel \\
 & \left( l > 0 \ \&\& a > 0 \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \right. \\
 & \quad \left. \left( \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c > 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \parallel \parallel \parallel \\
 & \left( q > s \ \&\& \left( l < 0 \ \&\& \left( a < \frac{q-s}{l} \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \right. \right. \right. \\
 & \quad \left. \left. \left( \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c > 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \parallel \left( a = \frac{q-s}{l} \ \&\& \right. \right. \\
 & \quad \left. \left. \text{Sin}[b] = 0 \ \&\& \left( \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c > 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \right) \parallel \parallel \\
 & \left( l > 0 \ \&\& \left( a = \frac{q-s}{l} \ \&\& \text{Sin}[b] = 0 \ \&\& \left( \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c > 0 \ \&\& \right. \right. \right. \\
 & \quad \left. \left. \left. -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \parallel \left( a > \frac{q-s}{l} \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \right. \\
 & \quad \left. \left. \left( \left( c < 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \parallel \left( c > 0 \ \&\& -\sqrt{c^2} < v < \sqrt{c^2} \right) \right) \right) \right) \parallel \parallel \parallel \parallel \\
 & \ln[3] := \left( -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& q < s \ \&\& l < 0 \ \&\& a < \frac{-q+s}{l} \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& c < 0 \right) \parallel \parallel \\
 & \left( -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& q < s \ \&\& l < 0 \ \&\& a < \frac{-q+s}{l} \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \right. \\
 & \quad \left. c > 0 \right) \parallel \left( -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& q < s \ \&\& l < 0 \ \&\& a = \frac{-q+s}{l} \ \&\& \text{Sin}[b] = 0 \ \&\& c < 0 \right) \parallel \parallel \\
 & \left( -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& q < s \ \&\& l < 0 \ \&\& a = \frac{-q+s}{l} \ \&\& \text{Sin}[b] = 0 \ \&\& c > 0 \right) \parallel \parallel \\
 & \left( -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& q < s \ \&\& l > 0 \ \&\& a = \frac{-q+s}{l} \ \&\& \text{Sin}[b] = 0 \ \&\& c < 0 \right) \parallel \parallel \\
 & \left( -\sqrt{c^2} < v < \sqrt{c^2} \ \&\& q < s \ \&\& l > 0 \ \&\& a = \frac{-q+s}{l} \ \&\& \text{Sin}[b] = 0 \ \&\& c > 0 \right) \parallel \parallel
 \end{aligned}$$



$$\text{In[*]:= Solve}\left[l \text{Sin}[\beta] == \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)} / \sqrt{1 - \frac{v^2}{c^2}}}{\alpha}, v\right]$$

$$\begin{aligned} \text{Out[*]:= } & \left\{ \left\{ v \rightarrow \right. \right. \\ & - \left( \left( 1. \sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + 8.98755 \times 10^{16} \right. \right. \\ & \quad \left. \left. r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Sin}[\beta]^2 \right)} \right) / \\ & \quad \left( \sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \left. \right\}, \\ & \left\{ v \rightarrow \left( \sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + \right. \right. \\ & \quad \left. \left. 8.98755 \times 10^{16} r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Sin}[\beta]^2 \right)} \right) / \\ & \quad \left( \sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right) \left. \right\} \end{aligned}$$

$$v = \frac{\sqrt{-c^2 l^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 l^2 \alpha^2 \text{Sin}[\beta]^2}}{\sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}} \quad (1)$$

Modus ponens substitutions for the respective arc lengths and imaginary arc lengths.

$$v = \frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{-1. w^2 + q^2 - 2. s q + s^2 + w^2 \text{Sin}[\beta]^2}}$$

Rewrite variables  $\alpha = a$ ,  $b = \beta$

$$\text{In[*]:= } v := \frac{\sqrt{-c^2 l^2 a^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 l^2 a^2 \text{Sin}[b]^2}}{\sqrt{-1. l^2 a^2 + q^2 - 2. s q + s^2 + l^2 a^2 \text{Sin}[b]^2}}$$

$$\begin{aligned} \text{Out[*]:= } & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ & \left. q < s \ \&\& l < 0 \ \&\& a < \frac{-q + s}{l} \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& c < 0 \right) || \\ & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& q < s \ \&\& \right. \\ & \left. l < 0 \ \&\& a < \frac{-q + s}{l} \ \&\& \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& c > 0 \right) || \\ & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ & \left. q < s \ \&\& l < 0 \ \&\& a = \frac{-q + s}{l} \ \&\& \text{Sin}[b] = 0 \ \&\& c < 0 \right) || \end{aligned}$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ \left. q < s \ \&\& l < 0 \ \&\& a = \frac{-q+s}{l} \ \&\& \sin[b] = 0 \ \&\& c > 0 \right) ||$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ \left. q < s \ \&\& l > 0 \ \&\& a = \frac{-q+s}{l} \ \&\& \sin[b] = 0 \ \&\& c < 0 \right) ||$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ \left. q < s \ \&\& l > 0 \ \&\& a = \frac{-q+s}{l} \ \&\& \sin[b] = 0 \ \&\& c > 0 \right) ||$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& q < s \ \&\& \right. \\ \left. l > 0 \ \&\& a > \frac{-q+s}{l} \ \&\& \sin[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& c < 0 \right) ||$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& q < s \ \&\& \right. \\ \left. l > 0 \ \&\& a > \frac{-q+s}{l} \ \&\& \sin[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& c > 0 \right) ||$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ \left. q = s \ \&\& l < 0 \ \&\& a < 0 \ \&\& \sin[b] = 1 \ \&\& c < 0 \right) ||$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ \left. q = s \ \&\& l < 0 \ \&\& a < 0 \ \&\& \sin[b] = 1 \ \&\& c > 0 \right) ||$$

$$\left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& q = s \ \&\& l = 0 \ \&\& \right)$$

$$\begin{aligned}
 & \left. \left. \left. a < 0 \ \&\& \ c < 0 \right) \right| \left| \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \right. \\
 & \left. \left. \left. q = s \ \&\& \ l = 0 \ \&\& \ a < 0 \ \&\& \ c > 0 \right) \right| \left| \right. \\
 & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 & \left. \left. \left. q = s \ \&\& \ l = 0 \ \&\& \ a > 0 \ \&\& \ c < 0 \right) \right| \left| \right. \\
 & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 & \left. \left. \left. q = s \ \&\& \ l = 0 \ \&\& \ a > 0 \ \&\& \ c > 0 \right) \right| \left| \right. \\
 & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 & \left. \left. \left. q = s \ \&\& \ l > 0 \ \&\& \ a > 0 \ \&\& \ \text{Sin}[b] = 1 \ \&\& \ c < 0 \right) \right| \left| \right. \\
 & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 & \left. \left. \left. q = s \ \&\& \ l > 0 \ \&\& \ a > 0 \ \&\& \ \text{Sin}[b] = 1 \ \&\& \ c > 0 \right) \right| \left| \right. \\
 & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \ q > s \ \&\& \right. \\
 & \left. \left. \left. l < 0 \ \&\& \ a < \frac{q-s}{l} \ \&\& \ \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ c < 0 \right) \right| \left| \right. \\
 & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \ q > s \ \&\& \right. \\
 & \left. \left. \left. l < 0 \ \&\& \ a < \frac{q-s}{l} \ \&\& \ \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ c > 0 \right) \right| \left| \right. \\
 & \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right.
 \end{aligned}$$



$$\left. \begin{aligned} & q > s \ \&\& \ l < 0 \ \&\& \ a = \frac{q-s}{l} \ \&\& \ \sin[b] = 0 \ \&\& \ c < 0 \end{aligned} \right\} || \\
 \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 \left. \left. \begin{aligned} & q > s \ \&\& \ l < 0 \ \&\& \ a = \frac{q-s}{l} \ \&\& \ \sin[b] = 0 \ \&\& \ c > 0 \end{aligned} \right\} || \right. \\
 \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 \left. \left. \begin{aligned} & q > s \ \&\& \ l > 0 \ \&\& \ a = \frac{q-s}{l} \ \&\& \ \sin[b] = 0 \ \&\& \ c < 0 \end{aligned} \right\} || \right. \\
 \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 \left. \left. \begin{aligned} & q > s \ \&\& \ l > 0 \ \&\& \ a = \frac{q-s}{l} \ \&\& \ \sin[b] = 0 \ \&\& \ c > 0 \end{aligned} \right\} || \right. \\
 \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \ q > s \ \&\& \right. \\
 \left. \left. \begin{aligned} & l > 0 \ \&\& \ a > \frac{q-s}{l} \ \&\& \ \sin[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ c < 0 \end{aligned} \right\} || \right. \\
 \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 \left. \left. \begin{aligned} & q > s \ \&\& \ l > 0 \ \&\& \ a > \frac{q-s}{l} \ \&\& \ \sin[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ c > 0 \end{aligned} \right\} \right) \\
 \left. \begin{aligned} & \ln[*] = \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \sin[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \sin[b]^2}} < \sqrt{c^2} \ \&\& \right. \\
 & \left. \left. \begin{aligned} & q > s \ \&\& \ l > 0 \ \&\& \ a > \frac{q-s}{l} \ \&\& \ \sin[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ c > 0 \end{aligned} \right\} \right) \end{aligned} \right)$$

$\ln[*] = q := c$

$\ln[*] = s := 5$

$\ln[*] = a := \pi$

In[ ]:= l := c

In[ ]:= b := 1.2468502254630345`

In[ ]:= c := 2.99792458`\*^8

$$\text{In[ ]:= } \left( -\sqrt{c^2} < \frac{\sqrt{-a^2 c^2 l^2 + c^2 q^2 - 2 c^2 q s + c^2 s^2 + a^2 c^2 l^2 \text{Sin}[b]^2}}{\sqrt{-1. a^2 l^2 + q^2 - 2. q s + s^2 + a^2 l^2 \text{Sin}[b]^2}} < \sqrt{c^2} \ \&\& \right. \\ \left. q > s \ \&\& \ l > 0 \ \&\& \ a > \frac{q-s}{l} \ \&\& \ \text{Sin}[b] = \sqrt{\frac{a^2 l^2 - q^2 + 2 q s - s^2}{a^2 l^2}} \ \&\& \ c > 0 \right)$$

Out[ ]:= True

# Novel, Symbolic, Differential Spaces of Light: Insights into Cosmology and Special Relativity

by Parker Emmerson, a created being by the grace of Jehovah the Living Allaha.

Abstract: A differential velocity space is defined by:

$$D \left[ D \left[ D \left[ D \left[ D \left[ D \left[ \frac{\sqrt{l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2}}{\alpha}, l \right], x \right], r \right], \gamma \right], \theta \right], \alpha \right] - \frac{2 \pi \sqrt{l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2}}{\alpha (\alpha \gamma \theta)^{1/3}} = \frac{\sqrt{-c^2 l^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 l^2 \alpha^2 \sin[\beta]^2}}{\sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \sin[\beta]^2}}$$

where the  $l\alpha$ ,  $x\gamma$  and  $r\theta$  are arc lengths of arbitrary location, and  $\frac{\sqrt{l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2}}{\alpha} = h$ , a height extending in corresponding connection to the difference formula:  $\theta r = \gamma x - \alpha \sqrt{l^2 \alpha^2 - h^2}$ . The solutions to the resulting equation yield evidence that for such a space, the resulting specific magnitudes are at play. The formula indicates that the difference between the Instantaneous Velocity and the Geometric Mean Velocity is equivalent to the Phenomenological Velocity. Note: The resulting solution to the  $c$  variable contains coefficients that are within the ecological scale of human measurements of the, "speed of light," when using material instruments, and these are produced entirely from multiplying coefficient harmonics algebraically and from basically scratch difference formulations. Ordering the difference as above yields such a scaling of the coefficients, while ordering it any other way yields solutions to  $c$  that contain coefficients of an extraordinary magnitude, some  $10^{175}$ . Only one of said solutions is delineated below for illustration. This is a piece of observational evidence indicative that we are present in a realm that orders the difference of the meanings of velocities in the a manner of the former solutions, not the latter. The solutions are capable of being graphed and do produce form.

$$\text{In[ ]:= Solve} \left[ \left( \left( - \frac{945 l^3 \alpha^2 (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{16 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{11/2}} + \frac{105 l^3 \alpha^2 \gamma \theta (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \frac{105 l^3 x \alpha^2 \theta (2 r x \gamma - 2 r^2 \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} \right) \right]$$

$$\begin{aligned}
& \frac{105 l^3 \alpha^2 (2 x \gamma - 4 r \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
& \frac{105 l^3 \alpha^2 (-4 x \gamma + 2 r \theta) (2 r x \gamma - 2 r^2 \theta) (2 x \gamma \theta - 2 r \theta^2)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
& \frac{105 l^3 r \alpha^2 \gamma (-2 x^2 \gamma + 2 r x \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
& \frac{105 l^3 r x \alpha^2 (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
& \frac{105 l (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{16 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} - \\
& \frac{30 l^3 r x \alpha^2 \gamma \theta}{(l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l^3 \alpha^2 (2 x \gamma - 4 r \theta) (-4 x \gamma + 2 r \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
& \frac{15 l^3 \alpha^2 \theta (2 r x \gamma - 2 r^2 \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l^3 \alpha^2 \gamma (-2 x^2 \gamma + 2 r x \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
& \frac{15 l \gamma \theta (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
& \frac{15 l^3 x \alpha^2 (-2 x \gamma^2 + 2 r \gamma \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l x \theta (2 r x \gamma - 2 r^2 \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
& \frac{15 l (2 x \gamma - 4 r \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
& \frac{15 l^3 r \alpha^2 (2 x \gamma \theta - 2 r \theta^2)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
& \frac{15 l (-4 x \gamma + 2 r \theta) (2 r x \gamma - 2 r^2 \theta) (2 x \gamma \theta - 2 r \theta^2)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
& \frac{15 l r \gamma (-2 x^2 \gamma + 2 r x \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l r x (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} + \\
& \frac{3 l^3 \alpha^2}{(l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \frac{6 l r x \gamma \theta}{(l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \\
& \frac{3 l (2 x \gamma - 4 r \theta) (-4 x \gamma + 2 r \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \frac{3 l \theta (2 r x \gamma - 2 r^2 \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} +
\end{aligned}$$

$$\frac{3 \text{ l } \gamma (-2 x^2 \gamma + 2 r x \theta)}{2 (\text{ l}^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \frac{3 \text{ l } x (-2 x \gamma^2 + 2 r \gamma \theta)}{2 (\text{ l}^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} +$$

$$\left. \frac{3 \text{ l } r (2 x \gamma \theta - 2 r \theta^2)}{2 (\text{ l}^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} - \frac{\text{ l}}{(\text{ l}^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{3/2}} \right) -$$

$$\frac{2 \pi \sqrt{\text{ l}^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2}}{\alpha (\alpha \gamma \theta)^{1/3}} \Bigg) =$$

$$\frac{\sqrt{-c^2 \text{ l}^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 \text{ l}^2 \alpha^2 \text{ Sin}[\beta]^2}}{\sqrt{-1. \text{ l}^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + \text{ l}^2 \alpha^2 \text{ Sin}[\beta]^2}}, c]$$

Out[4]= { { c →

$$- \left( \left( 1. \sqrt{\left( - \frac{157.914 \text{ l}^2 r x (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{157.914 r x^3 \gamma^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \frac{39.4784 \text{ l}^4 \alpha (\alpha \gamma \theta)^{1/3}}{\gamma \theta} + \right.} \right.$$

$$\frac{78.9568 \text{ l}^2 x^2 \gamma (\alpha \gamma \theta)^{1/3}}{\alpha \theta} - \frac{39.4784 x^4 \gamma^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \theta} + \frac{78.9568 \text{ l}^2 r^2 \theta (\alpha \gamma \theta)^{1/3}}{\alpha \gamma} -$$

$$\frac{236.871 r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{1/3}}{\alpha^3} + \frac{157.914 r^3 x \theta^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} -$$

$$\frac{39.4784 r^4 \theta^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \gamma} - \frac{893025. \text{ l}^2 r^2 x^{14} \gamma^{14} \theta^2}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} +$$

$$\frac{1.07163 \times 10^7 \text{ l}^2 r^3 x^{13} \gamma^{13} \theta^3}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} -$$

$$\frac{5.89397 \times 10^7 \text{ l}^2 r^4 x^{12} \gamma^{12} \theta^4}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} +$$

$$\frac{1.96466 \times 10^8 \text{ l}^2 r^5 x^{11} \gamma^{11} \theta^5}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} -$$

$$\frac{4.42047 \times 10^8 \text{ l}^2 r^6 x^{10} \gamma^{10} \theta^6}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} +$$

$$\frac{7.07276 \times 10^8 \text{ l}^2 r^7 x^9 \gamma^9 \theta^7}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} -$$

$$\frac{8.25155 \times 10^8 \text{ l}^2 r^8 x^8 \gamma^8 \theta^8}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} +$$

$$\left. \left. \frac{7.07276 \times 10^8 \text{ l}^2 r^9 x^7 \gamma^7 \theta^9}{(\text{ l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} \right) \right)$$

$$\begin{aligned}
 & \frac{4.42047 \times 10^8 \text{ l}^2 \text{ r}^{10} \text{ x}^6 \text{ } \gamma^6 \text{ } \theta^{10}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^{10}} + \\
 & \frac{1.96466 \times 10^8 \text{ l}^2 \text{ r}^{11} \text{ x}^5 \text{ } \gamma^5 \text{ } \theta^{11}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^{10}} - \\
 & \frac{5.89397 \times 10^7 \text{ l}^2 \text{ r}^{12} \text{ x}^4 \text{ } \gamma^4 \text{ } \theta^{12}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^{10}} + \\
 & \frac{1.07163 \times 10^7 \text{ l}^2 \text{ r}^{13} \text{ x}^3 \text{ } \gamma^3 \text{ } \theta^{13}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^{10}} - \\
 & \frac{893\,025. \text{ l}^2 \text{ r}^{14} \text{ x}^2 \text{ } \gamma^2 \text{ } \theta^{14}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^{10}} + \frac{198\,450. \text{ l}^2 \text{ r x}^{13} \text{ } \gamma^{13} \text{ } \theta}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} - \\
 & \frac{5.1597 \times 10^6 \text{ l}^2 \text{ r}^2 \text{ x}^{12} \text{ } \gamma^{12} \text{ } \theta^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} + \frac{4.08807 \times 10^7 \text{ l}^2 \text{ r}^3 \text{ x}^{11} \text{ } \gamma^{11} \text{ } \theta^3}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} - \\
 & \frac{1.68683 \times 10^8 \text{ l}^2 \text{ r}^4 \text{ x}^{10} \text{ } \gamma^{10} \text{ } \theta^4}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} + \frac{4.31629 \times 10^8 \text{ l}^2 \text{ r}^5 \text{ x}^9 \text{ } \gamma^9 \text{ } \theta^5}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} - \\
 & \frac{7.40615 \times 10^8 \text{ l}^2 \text{ r}^6 \text{ x}^8 \text{ } \gamma^8 \text{ } \theta^6}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} + \frac{8.83499 \times 10^8 \text{ l}^2 \text{ r}^7 \text{ x}^7 \text{ } \gamma^7 \text{ } \theta^7}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} - \\
 & \frac{7.40615 \times 10^8 \text{ l}^2 \text{ r}^8 \text{ x}^6 \text{ } \gamma^6 \text{ } \theta^8}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} + \frac{4.31629 \times 10^8 \text{ l}^2 \text{ r}^9 \text{ x}^5 \text{ } \gamma^5 \text{ } \theta^9}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} - \\
 & \frac{1.68683 \times 10^8 \text{ l}^2 \text{ r}^{10} \text{ x}^4 \text{ } \gamma^4 \text{ } \theta^{10}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} + \frac{4.08807 \times 10^7 \text{ l}^2 \text{ r}^{11} \text{ x}^3 \text{ } \gamma^3 \text{ } \theta^{11}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} - \\
 & \frac{5.1597 \times 10^6 \text{ l}^2 \text{ r}^{12} \text{ x}^2 \text{ } \gamma^2 \text{ } \theta^{12}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} + \frac{198\,450. \text{ l}^2 \text{ r}^{13} \text{ x } \gamma \theta^{13}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^9} - \\
 & \frac{11\,025. \text{ l}^2 \text{ x}^{12} \text{ } \gamma^{12}}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} + \frac{724\,500. \text{ l}^2 \text{ r x}^{11} \text{ } \gamma^{11} \text{ } \theta}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} - \\
 & \frac{9.9162 \times 10^6 \text{ l}^2 \text{ r}^2 \text{ x}^{10} \text{ } \gamma^{10} \text{ } \theta^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} + \frac{5.52069 \times 10^7 \text{ l}^2 \text{ r}^3 \text{ x}^9 \text{ } \gamma^9 \text{ } \theta^3}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} - \\
 & \frac{1.67985 \times 10^8 \text{ l}^2 \text{ r}^4 \text{ x}^8 \text{ } \gamma^8 \text{ } \theta^4}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} + \frac{3.16021 \times 10^8 \text{ l}^2 \text{ r}^5 \text{ x}^7 \text{ } \gamma^7 \text{ } \theta^5}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} - \\
 & \frac{3.8808 \times 10^8 \text{ l}^2 \text{ r}^6 \text{ x}^6 \text{ } \gamma^6 \text{ } \theta^6}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} + \frac{3.16021 \times 10^8 \text{ l}^2 \text{ r}^7 \text{ x}^5 \text{ } \gamma^5 \text{ } \theta^7}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} - \\
 & \frac{1.67985 \times 10^8 \text{ l}^2 \text{ r}^8 \text{ x}^4 \text{ } \gamma^4 \text{ } \theta^8}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} + \frac{5.52069 \times 10^7 \text{ l}^2 \text{ r}^9 \text{ x}^3 \text{ } \gamma^3 \text{ } \theta^9}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ } \gamma^2 + 2. \text{r x } \gamma \theta - 1. \text{r}^2 \theta^2)^8} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{9.9162 \times 10^6 \cdot l^2 r^{10} x^2 \gamma^2 \theta^{10}}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^8} + \frac{724\,500. \cdot l^2 r^{11} x \gamma \theta^{11}}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^8} - \\
 & \frac{11\,025. \cdot l^2 r^{12} \theta^{12}}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^8} - \frac{31\,500. \cdot l^2 x^{10} \gamma^{10}}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} + \\
 & \frac{975\,240. \cdot l^2 r x^9 \gamma^9 \theta}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} - \frac{8.48736 \times 10^6 \cdot l^2 r^2 x^8 \gamma^8 \theta^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} + \\
 & \frac{3.29944 \times 10^7 \cdot l^2 r^3 x^7 \gamma^7 \theta^3}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} - \frac{7.04075 \times 10^7 \cdot l^2 r^4 x^6 \gamma^6 \theta^4}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} + \\
 & \frac{8.99136 \times 10^7 \cdot l^2 r^5 x^5 \gamma^5 \theta^5}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} - \frac{7.04075 \times 10^7 \cdot l^2 r^6 x^4 \gamma^4 \theta^6}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} + \\
 & \frac{3.29944 \times 10^7 \cdot l^2 r^7 x^3 \gamma^3 \theta^7}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} - \frac{8.48736 \times 10^6 \cdot l^2 r^8 x^2 \gamma^2 \theta^8}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} + \\
 & \frac{975\,240. \cdot l^2 r^9 x \gamma \theta^9}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} - \frac{31\,500. \cdot l^2 r^{10} \theta^{10}}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^7} - \\
 & \frac{33\,210. \cdot l^2 x^8 \gamma^8 \theta}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} + \frac{602\,460. \cdot l^2 r x^7 \gamma^7 \theta}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \\
 & \frac{3.39863 \times 10^6 \cdot l^2 r^2 x^6 \gamma^6 \theta^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} + \frac{8.70372 \times 10^6 \cdot l^2 r^3 x^5 \gamma^5 \theta^3}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \\
 & \frac{1.17487 \times 10^7 \cdot l^2 r^4 x^4 \gamma^4 \theta^4}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} + \frac{8.70372 \times 10^6 \cdot l^2 r^5 x^3 \gamma^3 \theta^5}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \\
 & \frac{3.39863 \times 10^6 \cdot l^2 r^6 x^2 \gamma^2 \theta^6}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} + \frac{602\,460. \cdot l^2 r^7 x \gamma \theta^7}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \\
 & \frac{33\,210. \cdot l^2 r^8 \theta^8}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \frac{15\,720. \cdot l^2 x^6 \gamma^6 \theta}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
 & \frac{170\,670. \cdot l^2 r x^5 \gamma^5 \theta}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \frac{583\,320. \cdot l^2 r^2 x^4 \gamma^4 \theta^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
 & \frac{856\,740. \cdot l^2 r^3 x^3 \gamma^3 \theta^3}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \frac{583\,320. \cdot l^2 r^4 x^2 \gamma^2 \theta^4}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
 & \frac{170\,670. \cdot l^2 r^5 x \gamma \theta^5}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \frac{15\,720. \cdot l^2 r^6 \theta^6}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \\
 & \frac{3201. \cdot l^2 x^4 \gamma^4 \theta}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \frac{18\,816. \cdot l^2 r x^3 \gamma^3 \theta}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{32\,526 \cdot l^2 r^2 x^2 \gamma^2 \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \frac{18\,816 \cdot l^2 r^3 x \gamma \theta^3}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{3\,201 \cdot l^2 r^4 \theta^4}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \frac{11\,875.2 \cdot l^3 r x^5 \gamma^4 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{47\,500.9 \cdot l^3 r^2 x^4 \gamma^3 \theta (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \frac{71\,251.3 \cdot l^3 r^3 x^3 \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{47\,500.9 \cdot l^3 r^4 x^2 \gamma \theta^3 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \frac{11\,875.2 \cdot l^3 r^5 x \theta^4 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{204 \cdot l^2 x^2 \gamma^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \frac{552 \cdot l^2 r x \gamma \theta}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{204 \cdot l^2 r^2 \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \frac{11\,875.2 \cdot l^3 r x^3 \gamma^2 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{1\,319.47 \cdot l^3 x^4 \gamma^3 (\alpha \gamma \theta)^{2/3}}{\theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{21\,111.5 \cdot l^3 r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \frac{11\,875.2 \cdot l^3 r^3 x \theta^2 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{1\,319.47 \cdot l^3 r^4 \theta^3 (\alpha \gamma \theta)^{2/3}}{\gamma (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{4 \cdot l^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} - \frac{1\,884.96 \cdot l^3 r x (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} + \\
 & \frac{565.487 \cdot l^3 x^2 \gamma (\alpha \gamma \theta)^{2/3}}{\theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} + \\
 & \frac{565.487 \cdot l^3 r^2 \theta (\alpha \gamma \theta)^{2/3}}{\gamma (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} + \\
 & \frac{201.062 \cdot l r x (\alpha \gamma \theta)^{2/3}}{\alpha^2 (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \\
 & \frac{25.1327 \cdot l^3 (\alpha \gamma \theta)^{2/3}}{\gamma \theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \\
 & \frac{50.2655 \cdot l x^2 \gamma (\alpha \gamma \theta)^{2/3}}{\alpha^2 \theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \\
 & \frac{50.2655 \cdot l r^2 \theta (\alpha \gamma \theta)^{2/3}}{\alpha^2 \gamma (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \frac{78.9568 \cdot l^2 r x (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha} +
 \end{aligned}$$



$$\begin{aligned}
 & \frac{39.4784 \, \mathfrak{l}^4 \, \alpha \, (\alpha \gamma \theta)^{1/3} \, \text{Sin}[\beta]^2}{\gamma \theta} - \frac{39.4784 \, \mathfrak{l}^2 \, x^2 \, \gamma \, (\alpha \gamma \theta)^{1/3} \, \text{Sin}[\beta]^2}{\alpha \theta} - \\
 & \frac{39.4784 \, \mathfrak{l}^2 \, r^2 \, \theta \, (\alpha \gamma \theta)^{1/3} \, \text{Sin}[\beta]^2}{\alpha \gamma} + \frac{893025. \, \mathfrak{l}^2 \, r^2 \, x^{16} \, \gamma^{16} \, \theta^2 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} - \\
 & \frac{1.25024 \times 10^7 \, \mathfrak{l}^2 \, r^3 \, x^{15} \, \gamma^{15} \, \theta^3 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} + \\
 & \frac{8.12653 \times 10^7 \, \mathfrak{l}^2 \, r^4 \, x^{14} \, \gamma^{14} \, \theta^4 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} - \\
 & \frac{3.25061 \times 10^8 \, \mathfrak{l}^2 \, r^5 \, x^{13} \, \gamma^{13} \, \theta^5 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} + \\
 & \frac{8.93918 \times 10^8 \, \mathfrak{l}^2 \, r^6 \, x^{12} \, \gamma^{12} \, \theta^6 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} - \\
 & \frac{1.78784 \times 10^9 \, \mathfrak{l}^2 \, r^7 \, x^{11} \, \gamma^{11} \, \theta^7 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} + \\
 & \frac{2.68175 \times 10^9 \, \mathfrak{l}^2 \, r^8 \, x^{10} \, \gamma^{10} \, \theta^8 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} - \\
 & \frac{3.06486 \times 10^9 \, \mathfrak{l}^2 \, r^9 \, x^9 \, \gamma^9 \, \theta^9 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} + \\
 & \frac{2.68175 \times 10^9 \, \mathfrak{l}^2 \, r^{10} \, x^8 \, \gamma^8 \, \theta^{10} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} - \\
 & \frac{1.78784 \times 10^9 \, \mathfrak{l}^2 \, r^{11} \, x^7 \, \gamma^7 \, \theta^{11} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} + \\
 & \frac{8.93918 \times 10^8 \, \mathfrak{l}^2 \, r^{12} \, x^6 \, \gamma^6 \, \theta^{12} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} - \\
 & \frac{3.25061 \times 10^8 \, \mathfrak{l}^2 \, r^{13} \, x^5 \, \gamma^5 \, \theta^{13} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} + \\
 & \frac{8.12653 \times 10^7 \, \mathfrak{l}^2 \, r^{14} \, x^4 \, \gamma^4 \, \theta^{14} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} - \\
 & \frac{1.25024 \times 10^7 \, \mathfrak{l}^2 \, r^{15} \, x^3 \, \gamma^3 \, \theta^{15} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} + \\
 & \frac{893025. \, \mathfrak{l}^2 \, r^{16} \, x^2 \, \gamma^2 \, \theta^{16} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \theta - 1. \, r^2 \, \theta^2)^{11}} -
 \end{aligned}$$

$$\begin{aligned}
& \frac{198\,450 \cdot l^2 r x^{15} \gamma^{15} \theta \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
& \frac{6.44963 \times 10^6 l^2 r^2 x^{14} \gamma^{14} \theta^2 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
& \frac{6.21149 \times 10^7 l^2 r^3 x^{13} \gamma^{13} \theta^3 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
& \frac{3.14543 \times 10^8 l^2 r^4 x^{12} \gamma^{12} \theta^4 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
& \frac{1.00634 \times 10^9 l^2 r^5 x^{11} \gamma^{11} \theta^5 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
& \frac{2.2146 \times 10^9 l^2 r^6 x^{10} \gamma^{10} \theta^6 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
& \frac{3.50363 \times 10^9 l^2 r^7 x^9 \gamma^9 \theta^7 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
& \frac{4.07338 \times 10^9 l^2 r^8 x^8 \gamma^8 \theta^8 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
& \frac{3.50363 \times 10^9 l^2 r^9 x^7 \gamma^7 \theta^9 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
& \frac{2.2146 \times 10^9 l^2 r^{10} x^6 \gamma^6 \theta^{10} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
& \frac{1.00634 \times 10^9 l^2 r^{11} x^5 \gamma^5 \theta^{11} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
& \frac{3.14543 \times 10^8 l^2 r^{12} x^4 \gamma^4 \theta^{12} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
& \frac{6.21149 \times 10^7 l^2 r^{13} x^3 \gamma^3 \theta^{13} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
& \frac{6.44963 \times 10^6 l^2 r^{14} x^2 \gamma^2 \theta^{14} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
& \frac{198\,450 \cdot l^2 r^{15} x \gamma \theta^{15} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \frac{11\,025 \cdot l^2 x^{14} \gamma^{14} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
& \frac{945\,000 \cdot l^2 r x^{13} \gamma^{13} \theta \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \frac{1.65359 \times 10^7 l^2 r^2 x^{12} \gamma^{12} \theta^2 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} -
\end{aligned}$$



$$\begin{aligned}
 & \frac{4.90978 \times 10^7 \text{ l}^2 \text{ r}^7 \text{ x}^3 \gamma^3 \theta^7 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^7} + \frac{1.31241 \times 10^7 \text{ l}^2 \text{ r}^8 \text{ x}^2 \gamma^2 \theta^8 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^7} - \\
 & \frac{1.64412 \times 10^6 \text{ l}^2 \text{ r}^9 \text{ x} \gamma \theta^9 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^7} + \frac{64710. \text{l}^2 \text{ r}^{10} \theta^{10} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^7} + \\
 & \frac{48930. \text{l}^2 \text{ x}^8 \gamma^8 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} - \frac{804570. \text{l}^2 \text{ r x}^7 \gamma^7 \theta \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} + \\
 & \frac{4.33901 \times 10^6 \text{ l}^2 \text{ r}^2 \text{ x}^6 \gamma^6 \theta^2 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} - \frac{1.08978 \times 10^7 \text{ l}^2 \text{ r}^3 \text{ x}^5 \gamma^5 \theta^3 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} + \\
 & \frac{1.46288 \times 10^7 \text{ l}^2 \text{ r}^4 \text{ x}^4 \gamma^4 \theta^4 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} - \frac{1.08978 \times 10^7 \text{ l}^2 \text{ r}^5 \text{ x}^3 \gamma^3 \theta^5 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} + \\
 & \frac{4.33901 \times 10^6 \text{ l}^2 \text{ r}^6 \text{ x}^2 \gamma^2 \theta^6 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} - \frac{804570. \text{l}^2 \text{ r}^7 \text{ x} \gamma \theta^7 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} + \\
 & \frac{48930. \text{l}^2 \text{ r}^8 \theta^8 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^6} - \frac{18921. \text{l}^2 \text{ x}^6 \gamma^6 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} - \\
 & \frac{195888. \text{l}^2 \text{ r x}^5 \gamma^5 \theta \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \frac{656679. \text{l}^2 \text{ r}^2 \text{ x}^4 \gamma^4 \theta^2 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} - \\
 & \frac{959424. \text{l}^2 \text{ r}^3 \text{ x}^3 \gamma^3 \theta^3 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \frac{656679. \text{l}^2 \text{ r}^4 \text{ x}^2 \gamma^2 \theta^4 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} - \\
 & \frac{195888. \text{l}^2 \text{ r}^5 \text{ x} \gamma \theta^5 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \frac{18921. \text{l}^2 \text{ r}^6 \theta^6 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \\
 & \frac{11875.2 \text{ l}^3 \text{ r x}^7 \gamma^6 (\alpha \gamma \theta)^{2/3} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} - \frac{71251.3 \text{ l}^3 \text{ r}^2 \text{ x}^6 \gamma^5 \theta (\alpha \gamma \theta)^{2/3} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \\
 & \frac{178128. \text{ l}^3 \text{ r}^3 \text{ x}^5 \gamma^4 \theta^2 (\alpha \gamma \theta)^{2/3} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} - \\
 & \frac{237504. \text{ l}^3 \text{ r}^4 \text{ x}^4 \gamma^3 \theta^3 (\alpha \gamma \theta)^{2/3} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \\
 & \frac{178128. \text{ l}^3 \text{ r}^5 \text{ x}^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{2/3} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} - \\
 & \frac{71251.3 \text{ l}^3 \text{ r}^6 \text{ x}^2 \gamma \theta^5 (\alpha \gamma \theta)^{2/3} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \frac{11875.2 \text{ l}^3 \text{ r}^7 \text{ x} \theta^6 (\alpha \gamma \theta)^{2/3} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^5} + \\
 & \frac{3405. \text{ l}^2 \text{ x}^4 \gamma^4 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^4} - \frac{19776. \text{ l}^2 \text{ r x}^3 \gamma^3 \theta \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{34038. l^2 r^2 x^2 \gamma^2 \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \frac{19776. l^2 r^3 x \gamma \theta^3 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
 & \frac{3405. l^2 r^4 \theta^4 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \frac{26389.4 l^3 r x^5 \gamma^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
 & \frac{1319.47 l^3 x^6 \gamma^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
 & \frac{93682.3 l^3 r^2 x^4 \gamma^3 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
 & \frac{137225. l^3 r^3 x^3 \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
 & \frac{93682.3 l^3 r^4 x^2 \gamma \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \frac{26389.4 l^3 r^5 x \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} \\
 & \frac{1319.47 l^3 r^6 \theta^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
 & \frac{208. l^2 x^2 \gamma^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \frac{560. l^2 r x \gamma \theta \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \\
 & \frac{208. l^2 r^2 \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \frac{14891.1 l^3 r x^3 \gamma^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \\
 & \frac{1884.96 l^3 x^4 \gamma^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \\
 & \frac{26012.4 l^3 r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \frac{14891.1 l^3 r^3 x \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \\
 & \frac{1884.96 l^3 r^4 \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \\
 & \frac{4. l^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^2} + \frac{1734.16 l^3 r x (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^2} - \\
 & \frac{640.885 l^3 x^2 \gamma (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^2} - \\
 & \frac{640.885 l^3 r^2 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (l^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^2} -
 \end{aligned}$$

$$\left. \left( \frac{25.1327 \, \mathfrak{l}^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma \theta (\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)} \right) \right) / \left( \sqrt{-1. \mathfrak{l}^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + \mathfrak{l}^2 \alpha^2 \text{Sin}[\beta]^2} \right) \left. \right\},$$

$$\left\{ c \rightarrow \left( \sqrt{\left( -\frac{157.914 \, \mathfrak{l}^2 r x (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{157.914 r x^3 \gamma^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \frac{39.4784 \, \mathfrak{l}^4 \alpha (\alpha \gamma \theta)^{1/3}}{\gamma \theta} + \frac{78.9568 \, \mathfrak{l}^2 x^2 \gamma (\alpha \gamma \theta)^{1/3}}{\alpha \theta} - \frac{39.4784 x^4 \gamma^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \theta} + \frac{78.9568 \, \mathfrak{l}^2 r^2 \theta (\alpha \gamma \theta)^{1/3}}{\alpha \gamma} + \frac{236.871 r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{1/3}}{\alpha^3} + \frac{157.914 r^3 x \theta^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \frac{39.4784 r^4 \theta^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \gamma} + \frac{893025. \, \mathfrak{l}^2 r^2 x^{14} \gamma^{14} \theta^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} + \frac{1.07163 \times 10^7 \, \mathfrak{l}^2 r^3 x^{13} \gamma^{13} \theta^3}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} - \frac{5.89397 \times 10^7 \, \mathfrak{l}^2 r^4 x^{12} \gamma^{12} \theta^4}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} + \frac{1.96466 \times 10^8 \, \mathfrak{l}^2 r^5 x^{11} \gamma^{11} \theta^5}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} - \frac{4.42047 \times 10^8 \, \mathfrak{l}^2 r^6 x^{10} \gamma^{10} \theta^6}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} + \frac{7.07276 \times 10^8 \, \mathfrak{l}^2 r^7 x^9 \gamma^9 \theta^7}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^{10}} \right)} \right.$$

$$\begin{aligned}
 & \frac{8.25155 \times 10^8 \, \mathfrak{l}^2 \, r^8 \, x^8 \, \gamma^8 \, \theta^8}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^{10}} + \\
 & \frac{7.07276 \times 10^8 \, \mathfrak{l}^2 \, r^9 \, x^7 \, \gamma^7 \, \theta^9}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^{10}} - \\
 & \frac{4.42047 \times 10^8 \, \mathfrak{l}^2 \, r^{10} \, x^6 \, \gamma^6 \, \theta^{10}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^{10}} + \\
 & \frac{1.96466 \times 10^8 \, \mathfrak{l}^2 \, r^{11} \, x^5 \, \gamma^5 \, \theta^{11}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^{10}} - \\
 & \frac{5.89397 \times 10^7 \, \mathfrak{l}^2 \, r^{12} \, x^4 \, \gamma^4 \, \theta^{12}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^{10}} + \\
 & \frac{1.07163 \times 10^7 \, \mathfrak{l}^2 \, r^{13} \, x^3 \, \gamma^3 \, \theta^{13}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^{10}} - \\
 & \frac{893 \, 025. \, \mathfrak{l}^2 \, r^{14} \, x^2 \, \gamma^2 \, \theta^{14}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^{10}} + \\
 & \frac{198 \, 450. \, \mathfrak{l}^2 \, r \, x^{13} \, \gamma^{13} \, \theta}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{5.1597 \times 10^6 \, \mathfrak{l}^2 \, r^2 \, x^{12} \, \gamma^{12} \, \theta^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{4.08807 \times 10^7 \, \mathfrak{l}^2 \, r^3 \, x^{11} \, \gamma^{11} \, \theta^3}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{1.68683 \times 10^8 \, \mathfrak{l}^2 \, r^4 \, x^{10} \, \gamma^{10} \, \theta^4}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{4.31629 \times 10^8 \, \mathfrak{l}^2 \, r^5 \, x^9 \, \gamma^9 \, \theta^5}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{7.40615 \times 10^8 \, \mathfrak{l}^2 \, r^6 \, x^8 \, \gamma^8 \, \theta^6}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{8.83499 \times 10^8 \, \mathfrak{l}^2 \, r^7 \, x^7 \, \gamma^7 \, \theta^7}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{7.40615 \times 10^8 \, \mathfrak{l}^2 \, r^8 \, x^6 \, \gamma^6 \, \theta^8}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{4.31629 \times 10^8 \, \mathfrak{l}^2 \, r^9 \, x^5 \, \gamma^5 \, \theta^9}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{1.68683 \times 10^8 \, \mathfrak{l}^2 \, r^{10} \, x^4 \, \gamma^4 \, \theta^{10}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{4.08807 \times 10^7 \, \mathfrak{l}^2 \, r^{11} \, x^3 \, \gamma^3 \, \theta^{11}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{5.1597 \times 10^6 \, \mathfrak{l}^2 \, r^{12} \, x^2 \, \gamma^2 \, \theta^{12}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{198450. \, \mathfrak{l}^2 \, r^{13} \, x \, \gamma \, \theta^{13}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{11025. \, \mathfrak{l}^2 \, x^{12} \, \gamma^{12}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{724500. \, \mathfrak{l}^2 \, r \, x^{11} \, \gamma^{11} \, \theta}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{9.9162 \times 10^6 \, \mathfrak{l}^2 \, r^2 \, x^{10} \, \gamma^{10} \, \theta^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{5.52069 \times 10^7 \, \mathfrak{l}^2 \, r^3 \, x^9 \, \gamma^9 \, \theta^3}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{1.67985 \times 10^8 \, \mathfrak{l}^2 \, r^4 \, x^8 \, \gamma^8 \, \theta^4}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{3.16021 \times 10^8 \, \mathfrak{l}^2 \, r^5 \, x^7 \, \gamma^7 \, \theta^5}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{3.8808 \times 10^8 \, \mathfrak{l}^2 \, r^6 \, x^6 \, \gamma^6 \, \theta^6}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{3.16021 \times 10^8 \, \mathfrak{l}^2 \, r^7 \, x^5 \, \gamma^5 \, \theta^7}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{1.67985 \times 10^8 \, \mathfrak{l}^2 \, r^8 \, x^4 \, \gamma^4 \, \theta^8}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{5.52069 \times 10^7 \, \mathfrak{l}^2 \, r^9 \, x^3 \, \gamma^3 \, \theta^9}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{9.9162 \times 10^6 \, \mathfrak{l}^2 \, r^{10} \, x^2 \, \gamma^2 \, \theta^{10}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{724500. \, \mathfrak{l}^2 \, r^{11} \, x \, \gamma \, \theta^{11}}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} -
 \end{aligned}$$



$$\begin{aligned}
 & \frac{11\,025 \cdot l^2 r^{12} \theta^{12}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{31\,500 \cdot l^2 x^{10} \gamma^{10}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
 & \frac{975\,240 \cdot l^2 r x^9 \gamma^9 \theta}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
 & \frac{8.48736 \times 10^6 l^2 r^2 x^8 \gamma^8 \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
 & \frac{3.29944 \times 10^7 l^2 r^3 x^7 \gamma^7 \theta^3}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
 & \frac{7.04075 \times 10^7 l^2 r^4 x^6 \gamma^6 \theta^4}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
 & \frac{8.99136 \times 10^7 l^2 r^5 x^5 \gamma^5 \theta^5}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
 & \frac{7.04075 \times 10^7 l^2 r^6 x^4 \gamma^4 \theta^6}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
 & \frac{3.29944 \times 10^7 l^2 r^7 x^3 \gamma^3 \theta^7}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
 & \frac{8.48736 \times 10^6 l^2 r^8 x^2 \gamma^2 \theta^8}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
 & \frac{975\,240 \cdot l^2 r^9 x \gamma \theta^9}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
 & \frac{31\,500 \cdot l^2 r^{10} \theta^{10}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
 & \frac{33\,210 \cdot l^2 x^8 \gamma^8}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} + \\
 & \frac{602\,460 \cdot l^2 r x^7 \gamma^7 \theta}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} - \\
 & \frac{3.39863 \times 10^6 l^2 r^2 x^6 \gamma^6 \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} + \\
 & \frac{8.70372 \times 10^6 l^2 r^3 x^5 \gamma^5 \theta^3}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} -
 \end{aligned}$$

$$\begin{aligned}
& \frac{1.17487 \times 10^7 \, \mathfrak{l}^2 r^4 x^4 \gamma^4 \theta^4}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} + \\
& \frac{8.70372 \times 10^6 \, \mathfrak{l}^2 r^5 x^3 \gamma^3 \theta^5}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \\
& \frac{3.39863 \times 10^6 \, \mathfrak{l}^2 r^6 x^2 \gamma^2 \theta^6}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} + \\
& \frac{602460. \, \mathfrak{l}^2 r^7 x \gamma \theta^7}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \\
& \frac{33210. \, \mathfrak{l}^2 r^8 \theta^8}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^6} - \\
& \frac{15720. \, \mathfrak{l}^2 x^6 \gamma^6}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
& \frac{170670. \, \mathfrak{l}^2 r x^5 \gamma^5 \theta}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \\
& \frac{583320. \, \mathfrak{l}^2 r^2 x^4 \gamma^4 \theta^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
& \frac{856740. \, \mathfrak{l}^2 r^3 x^3 \gamma^3 \theta^3}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \\
& \frac{583320. \, \mathfrak{l}^2 r^4 x^2 \gamma^2 \theta^4}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
& \frac{170670. \, \mathfrak{l}^2 r^5 x \gamma \theta^5}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \\
& \frac{15720. \, \mathfrak{l}^2 r^6 \theta^6}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \\
& \frac{3201. \, \mathfrak{l}^2 x^4 \gamma^4}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
& \frac{18816. \, \mathfrak{l}^2 r x^3 \gamma^3 \theta}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
& \frac{32526. \, \mathfrak{l}^2 r^2 x^2 \gamma^2 \theta^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
& \frac{18816. \, \mathfrak{l}^2 r^3 x \gamma \theta^3}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} -
\end{aligned}$$

$$\begin{aligned}
 & \frac{3201. \text{l}^2 r^4 \theta^4}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
 & \frac{11875.2 \text{l}^3 r x^5 \gamma^4 (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
 & \frac{47500.9 \text{l}^3 r^2 x^4 \gamma^3 \theta (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
 & \frac{71251.3 \text{l}^3 r^3 x^3 \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
 & \frac{47500.9 \text{l}^3 r^4 x^2 \gamma \theta^3 (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
 & \frac{11875.2 \text{l}^3 r^5 x \theta^4 (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
 & \frac{204. \text{l}^2 x^2 \gamma^2}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \\
 & \frac{552. \text{l}^2 r x \gamma \theta}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \\
 & \frac{204. \text{l}^2 r^2 \theta^2}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \\
 & \frac{11875.2 \text{l}^3 r x^3 \gamma^2 (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \\
 & \frac{1319.47 \text{l}^3 x^4 \gamma^3 (\alpha \gamma \theta)^{2/3}}{\theta (\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \\
 & \frac{21111.5 \text{l}^3 r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \\
 & \frac{11875.2 \text{l}^3 r^3 x \theta^2 (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} + \\
 & \frac{1319.47 \text{l}^3 r^4 \theta^3 (\alpha \gamma \theta)^{2/3}}{\gamma (\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^3} - \\
 & \frac{4. \text{l}^2}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^2} - \\
 & \frac{1884.96 \text{l}^3 r x (\alpha \gamma \theta)^{2/3}}{(\text{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^2} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{565.487 \text{ l}^3 \text{ x}^2 \gamma (\alpha \gamma \theta)^{2/3}}{\vartheta (\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^2} + \\
 & \frac{565.487 \text{ l}^3 \text{ r}^2 \theta (\alpha \gamma \theta)^{2/3}}{\gamma (\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^2} + \\
 & \frac{201.062 \text{ l r x} (\alpha \gamma \theta)^{2/3}}{\alpha^2 (\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)} + \\
 & \frac{25.1327 \text{ l}^3 (\alpha \gamma \theta)^{2/3}}{\gamma \theta (\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)} + \\
 & \frac{50.2655 \text{ l x}^2 \gamma (\alpha \gamma \theta)^{2/3}}{\alpha^2 \theta (\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)} + \\
 & \frac{50.2655 \text{ l r}^2 \theta (\alpha \gamma \theta)^{2/3}}{\alpha^2 \gamma (\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)} + \\
 & \frac{78.9568 \text{ l}^2 \text{ r x} (\alpha \gamma \theta)^{1/3} \text{ Sin}[\beta]^2}{\alpha} + \frac{39.4784 \text{ l}^4 \alpha (\alpha \gamma \theta)^{1/3} \text{ Sin}[\beta]^2}{\gamma \theta} - \\
 & \frac{39.4784 \text{ l}^2 \text{ x}^2 \gamma (\alpha \gamma \theta)^{1/3} \text{ Sin}[\beta]^2}{\alpha \theta} - \\
 & \frac{39.4784 \text{ l}^2 \text{ r}^2 \theta (\alpha \gamma \theta)^{1/3} \text{ Sin}[\beta]^2}{\alpha \gamma} + \\
 & \frac{893025. \text{ l}^2 \text{ r}^2 \text{ x}^{16} \gamma^{16} \theta^2 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^{11}} - \\
 & \frac{1.25024 \times 10^7 \text{ l}^2 \text{ r}^3 \text{ x}^{15} \gamma^{15} \theta^3 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^{11}} + \\
 & \frac{8.12653 \times 10^7 \text{ l}^2 \text{ r}^4 \text{ x}^{14} \gamma^{14} \theta^4 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^{11}} - \\
 & \frac{3.25061 \times 10^8 \text{ l}^2 \text{ r}^5 \text{ x}^{13} \gamma^{13} \theta^5 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^{11}} + \\
 & \frac{8.93918 \times 10^8 \text{ l}^2 \text{ r}^6 \text{ x}^{12} \gamma^{12} \theta^6 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^{11}} - \\
 & \frac{1.78784 \times 10^9 \text{ l}^2 \text{ r}^7 \text{ x}^{11} \gamma^{11} \theta^7 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^{11}} + \\
 & \frac{2.68175 \times 10^9 \text{ l}^2 \text{ r}^8 \text{ x}^{10} \gamma^{10} \theta^8 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \gamma^2 + 2. \text{r x} \gamma \theta - 1. \text{r}^2 \theta^2)^{11}} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{3.06486 \times 10^9 \text{ l}^2 \text{ r}^9 \text{ x}^9 \text{ \gamma}^9 \text{ \theta}^9 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} + \\
 & \frac{2.68175 \times 10^9 \text{ l}^2 \text{ r}^{10} \text{ x}^8 \text{ \gamma}^8 \text{ \theta}^{10} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} - \\
 & \frac{1.78784 \times 10^9 \text{ l}^2 \text{ r}^{11} \text{ x}^7 \text{ \gamma}^7 \text{ \theta}^{11} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} + \\
 & \frac{8.93918 \times 10^8 \text{ l}^2 \text{ r}^{12} \text{ x}^6 \text{ \gamma}^6 \text{ \theta}^{12} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} - \\
 & \frac{3.25061 \times 10^8 \text{ l}^2 \text{ r}^{13} \text{ x}^5 \text{ \gamma}^5 \text{ \theta}^{13} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} + \\
 & \frac{8.12653 \times 10^7 \text{ l}^2 \text{ r}^{14} \text{ x}^4 \text{ \gamma}^4 \text{ \theta}^{14} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} - \\
 & \frac{1.25024 \times 10^7 \text{ l}^2 \text{ r}^{15} \text{ x}^3 \text{ \gamma}^3 \text{ \theta}^{15} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} + \\
 & \frac{893\,025. \text{ l}^2 \text{ r}^{16} \text{ x}^2 \text{ \gamma}^2 \text{ \theta}^{16} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{11}} - \\
 & \frac{198\,450. \text{ l}^2 \text{ r x}^{15} \text{ \gamma}^{15} \text{ \theta} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{6.44963 \times 10^6 \text{ l}^2 \text{ r}^2 \text{ x}^{14} \text{ \gamma}^{14} \text{ \theta}^2 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} - \\
 & \frac{6.21149 \times 10^7 \text{ l}^2 \text{ r}^3 \text{ x}^{13} \text{ \gamma}^{13} \text{ \theta}^3 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{3.14543 \times 10^8 \text{ l}^2 \text{ r}^4 \text{ x}^{12} \text{ \gamma}^{12} \text{ \theta}^4 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} - \\
 & \frac{1.00634 \times 10^9 \text{ l}^2 \text{ r}^5 \text{ x}^{11} \text{ \gamma}^{11} \text{ \theta}^5 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{2.2146 \times 10^9 \text{ l}^2 \text{ r}^6 \text{ x}^{10} \text{ \gamma}^{10} \text{ \theta}^6 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} - \\
 & \frac{3.50363 \times 10^9 \text{ l}^2 \text{ r}^7 \text{ x}^9 \text{ \gamma}^9 \text{ \theta}^7 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{4.07338 \times 10^9 \text{ l}^2 \text{ r}^8 \text{ x}^8 \text{ \gamma}^8 \text{ \theta}^8 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{3.50363 \times 10^9 \text{ l}^2 \text{ r}^9 \text{ x}^7 \text{ \gamma}^7 \text{ \theta}^9 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{2.2146 \times 10^9 \text{ l}^2 \text{ r}^{10} \text{ x}^6 \text{ \gamma}^6 \text{ \theta}^{10} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} - \\
 & \frac{1.00634 \times 10^9 \text{ l}^2 \text{ r}^{11} \text{ x}^5 \text{ \gamma}^5 \text{ \theta}^{11} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{3.14543 \times 10^8 \text{ l}^2 \text{ r}^{12} \text{ x}^4 \text{ \gamma}^4 \text{ \theta}^{12} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} - \\
 & \frac{6.21149 \times 10^7 \text{ l}^2 \text{ r}^{13} \text{ x}^3 \text{ \gamma}^3 \text{ \theta}^{13} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{6.44963 \times 10^6 \text{ l}^2 \text{ r}^{14} \text{ x}^2 \text{ \gamma}^2 \text{ \theta}^{14} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} - \\
 & \frac{198\,450. \text{ l}^2 \text{ r}^{15} \text{ x} \text{ \gamma} \text{ \theta}^{15} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^{10}} + \\
 & \frac{11\,025. \text{ l}^2 \text{ x}^{14} \text{ \gamma}^{14} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} - \\
 & \frac{945\,000. \text{ l}^2 \text{ r x}^{13} \text{ \gamma}^{13} \text{ \theta} \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} + \\
 & \frac{1.65359 \times 10^7 \text{ l}^2 \text{ r}^2 \text{ x}^{12} \text{ \gamma}^{12} \text{ \theta}^2 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} - \\
 & \frac{1.16645 \times 10^8 \text{ l}^2 \text{ r}^3 \text{ x}^{11} \text{ \gamma}^{11} \text{ \theta}^3 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} + \\
 & \frac{4.56997 \times 10^8 \text{ l}^2 \text{ r}^4 \text{ x}^{10} \text{ \gamma}^{10} \text{ \theta}^4 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} - \\
 & \frac{1.13883 \times 10^9 \text{ l}^2 \text{ r}^5 \text{ x}^9 \text{ \gamma}^9 \text{ \theta}^5 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} + \\
 & \frac{1.92872 \times 10^9 \text{ l}^2 \text{ r}^6 \text{ x}^8 \text{ \gamma}^8 \text{ \theta}^6 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} - \\
 & \frac{2.2917 \times 10^9 \text{ l}^2 \text{ r}^7 \text{ x}^7 \text{ \gamma}^7 \text{ \theta}^7 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} + \\
 & \frac{1.92872 \times 10^9 \text{ l}^2 \text{ r}^8 \text{ x}^6 \text{ \gamma}^6 \text{ \theta}^8 \text{ Sin}[\beta]^2}{(\text{l}^2 \alpha^2 - 1. \text{x}^2 \text{ \gamma}^2 + 2. \text{r x} \text{ \gamma} \text{ \theta} - 1. \text{r}^2 \text{ \theta}^2)^9} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{1.13883 \times 10^9 \, \mathfrak{l}^2 \, r^9 \, x^5 \, \gamma^5 \, \theta^9 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{4.56997 \times 10^8 \, \mathfrak{l}^2 \, r^{10} \, x^4 \, \gamma^4 \, \theta^{10} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{1.16645 \times 10^8 \, \mathfrak{l}^2 \, r^{11} \, x^3 \, \gamma^3 \, \theta^{11} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{1.65359 \times 10^7 \, \mathfrak{l}^2 \, r^{12} \, x^2 \, \gamma^2 \, \theta^{12} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} - \\
 & \frac{945000. \, \mathfrak{l}^2 \, r^{13} \, x \, \gamma \, \theta^{13} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{11025. \, \mathfrak{l}^2 \, r^{14} \, \theta^{14} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^9} + \\
 & \frac{42525. \, \mathfrak{l}^2 \, x^{12} \, \gamma^{12} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{1.76274 \times 10^6 \, \mathfrak{l}^2 \, r \, x^{11} \, \gamma^{11} \, \theta \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{2.03855 \times 10^7 \, \mathfrak{l}^2 \, r^2 \, x^{10} \, \gamma^{10} \, \theta^2 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{1.06151 \times 10^8 \, \mathfrak{l}^2 \, r^3 \, x^9 \, \gamma^9 \, \theta^3 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{3.12868 \times 10^8 \, \mathfrak{l}^2 \, r^4 \, x^8 \, \gamma^8 \, \theta^4 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{5.79744 \times 10^8 \, \mathfrak{l}^2 \, r^5 \, x^7 \, \gamma^7 \, \theta^5 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{7.08722 \times 10^8 \, \mathfrak{l}^2 \, r^6 \, x^6 \, \gamma^6 \, \theta^6 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{5.79744 \times 10^8 \, \mathfrak{l}^2 \, r^7 \, x^5 \, \gamma^5 \, \theta^7 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
 & \frac{3.12868 \times 10^8 \, \mathfrak{l}^2 \, r^8 \, x^4 \, \gamma^4 \, \theta^8 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
 & \frac{1.06151 \times 10^8 \, \mathfrak{l}^2 \, r^9 \, x^3 \, \gamma^3 \, \theta^9 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{2.03855 \times 10^7 \, \mathfrak{l}^2 \, r^{10} \, x^2 \, \gamma^2 \, \theta^{10} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} - \\
& \frac{1.76274 \times 10^6 \, \mathfrak{l}^2 \, r^{11} \, x \, \gamma \, \theta^{11} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
& \frac{42525. \, \mathfrak{l}^2 \, r^{12} \, \theta^{12} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^8} + \\
& \frac{64710. \, \mathfrak{l}^2 \, x^{10} \, \gamma^{10} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} - \\
& \frac{1.64412 \times 10^6 \, \mathfrak{l}^2 \, r \, x^9 \, \gamma^9 \, \theta \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} + \\
& \frac{1.31241 \times 10^7 \, \mathfrak{l}^2 \, r^2 \, x^8 \, \gamma^8 \, \theta^2 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} - \\
& \frac{4.90978 \times 10^7 \, \mathfrak{l}^2 \, r^3 \, x^7 \, \gamma^7 \, \theta^3 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} + \\
& \frac{1.02962 \times 10^8 \, \mathfrak{l}^2 \, r^4 \, x^6 \, \gamma^6 \, \theta^4 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} - \\
& \frac{1.30818 \times 10^8 \, \mathfrak{l}^2 \, r^5 \, x^5 \, \gamma^5 \, \theta^5 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} + \\
& \frac{1.02962 \times 10^8 \, \mathfrak{l}^2 \, r^6 \, x^4 \, \gamma^4 \, \theta^6 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} - \\
& \frac{4.90978 \times 10^7 \, \mathfrak{l}^2 \, r^7 \, x^3 \, \gamma^3 \, \theta^7 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} + \\
& \frac{1.31241 \times 10^7 \, \mathfrak{l}^2 \, r^8 \, x^2 \, \gamma^2 \, \theta^8 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} - \\
& \frac{1.64412 \times 10^6 \, \mathfrak{l}^2 \, r^9 \, x \, \gamma \, \theta^9 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} + \\
& \frac{64710. \, \mathfrak{l}^2 \, r^{10} \, \theta^{10} \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^7} + \\
& \frac{48930. \, \mathfrak{l}^2 \, x^8 \, \gamma^8 \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} - \\
& \frac{804570. \, \mathfrak{l}^2 \, r \, x^7 \, \gamma^7 \, \theta \, \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \, \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} +
\end{aligned}$$



$$\begin{aligned}
 & \frac{4.33901 \times 10^6 \, l^2 \, r^2 \, x^6 \, \gamma^6 \, \theta^2 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} - \\
 & \frac{1.08978 \times 10^7 \, l^2 \, r^3 \, x^5 \, \gamma^5 \, \theta^3 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} + \\
 & \frac{1.46288 \times 10^7 \, l^2 \, r^4 \, x^4 \, \gamma^4 \, \theta^4 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} - \\
 & \frac{1.08978 \times 10^7 \, l^2 \, r^5 \, x^3 \, \gamma^3 \, \theta^5 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} + \\
 & \frac{4.33901 \times 10^6 \, l^2 \, r^6 \, x^2 \, \gamma^2 \, \theta^6 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} - \\
 & \frac{804570. \, l^2 \, r^7 \, x \, \gamma \, \theta^7 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} + \\
 & \frac{48930. \, l^2 \, r^8 \, \theta^8 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^6} + \\
 & \frac{18921. \, l^2 \, x^6 \, \gamma^6 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} - \\
 & \frac{195888. \, l^2 \, r \, x^5 \, \gamma^5 \, \theta \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} + \\
 & \frac{656679. \, l^2 \, r^2 \, x^4 \, \gamma^4 \, \theta^2 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} - \\
 & \frac{959424. \, l^2 \, r^3 \, x^3 \, \gamma^3 \, \theta^3 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} + \\
 & \frac{656679. \, l^2 \, r^4 \, x^2 \, \gamma^2 \, \theta^4 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} - \\
 & \frac{195888. \, l^2 \, r^5 \, x \, \gamma \, \theta^5 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} + \\
 & \frac{18921. \, l^2 \, r^6 \, \theta^6 \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} + \\
 & \frac{11875.2 \, l^3 \, r \, x^7 \, \gamma^6 \, (\alpha \, \gamma \, \theta)^{2/3} \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} - \\
 & \frac{71251.3 \, l^3 \, r^2 \, x^6 \, \gamma^5 \, \theta \, (\alpha \, \gamma \, \theta)^{2/3} \, \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \, x^2 \, \gamma^2 + 2. \, r \, x \, \gamma \, \theta - 1. \, r^2 \, \theta^2)^5} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{178\,128. \, \mathfrak{l}^3 r^3 x^5 \gamma^4 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \\
& \frac{237\,504. \, \mathfrak{l}^3 r^4 x^4 \gamma^3 \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
& \frac{178\,128. \, \mathfrak{l}^3 r^5 x^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} - \\
& \frac{71\,251.3 \, \mathfrak{l}^3 r^6 x^2 \gamma \theta^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
& \frac{11\,875.2 \, \mathfrak{l}^3 r^7 x \theta^6 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^5} + \\
& \frac{3405. \, \mathfrak{l}^2 x^4 \gamma^4 \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
& \frac{19\,776. \, \mathfrak{l}^2 r x^3 \gamma^3 \theta \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
& \frac{34\,038. \, \mathfrak{l}^2 r^2 x^2 \gamma^2 \theta^2 \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
& \frac{19\,776. \, \mathfrak{l}^2 r^3 x \gamma \theta^3 \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
& \frac{3405. \, \mathfrak{l}^2 r^4 \theta^4 \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
& \frac{26\,389.4 \, \mathfrak{l}^3 r x^5 \gamma^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
& \frac{1319.47 \, \mathfrak{l}^3 x^6 \gamma^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
& \frac{93\,682.3 \, \mathfrak{l}^3 r^2 x^4 \gamma^3 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
& \frac{137\,225. \, \mathfrak{l}^3 r^3 x^3 \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
& \frac{93\,682.3 \, \mathfrak{l}^3 r^4 x^2 \gamma \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} + \\
& \frac{26\,389.4 \, \mathfrak{l}^3 r^5 x \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} - \\
& \frac{26\,389.4 \, \mathfrak{l}^3 r^5 x \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(\mathfrak{l}^2 \alpha^2 - 1. x^2 \gamma^2 + 2. r x \gamma \theta - 1. r^2 \theta^2)^4} -
\end{aligned}$$

$$\begin{aligned}
 & \frac{1319.47 \, l^3 \, r^6 \, \theta^5 \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\gamma \left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^4} + \\
 & \frac{208. \, l^2 \, x^2 \gamma^2 \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} - \\
 & \frac{560. \, l^2 \, r \, x \gamma \theta \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} + \\
 & \frac{208. \, l^2 \, r^2 \theta^2 \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} + \\
 & \frac{14891.1 \, l^3 \, r \, x^3 \gamma^2 \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} - \\
 & \frac{1884.96 \, l^3 \, x^4 \gamma^3 \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\theta \left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} - \\
 & \frac{26012.4 \, l^3 \, r^2 \, x^2 \gamma \theta \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} + \\
 & \frac{14891.1 \, l^3 \, r^3 \, x \theta^2 \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} - \\
 & \frac{1884.96 \, l^3 \, r^4 \theta^3 \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\gamma \left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^3} + \\
 & \frac{4. \, l^2 \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^2} + \\
 & \frac{1734.16 \, l^3 \, r \, x \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^2} - \\
 & \frac{640.885 \, l^3 \, x^2 \gamma \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\theta \left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^2} - \\
 & \frac{640.885 \, l^3 \, r^2 \theta \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\gamma \left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)^2} - \\
 & \left. \left. \frac{25.1327 \, l^3 \, (\alpha \gamma \theta)^{2/3} \, \text{Sin}[\beta]^2}{\gamma \theta \left( l^2 \alpha^2 - 1. \, x^2 \gamma^2 + 2. \, r \, x \gamma \theta - 1. \, r^2 \theta^2 \right)} \right) \right) / \\
 & \left( \sqrt{-1. \, l^2 \alpha^2 + x^2 \gamma^2 - 2. \, r \, x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \, \text{Sin}[\beta]^2} \right) \} \}
 \end{aligned}$$

In[ ]:= Manipulate[ContourPlot3D[

$$\left( \sqrt{\left( -\frac{157.91367041742973 \, l^2 \, r \, x \, (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{157.91367041742973 \, r \, x^3 \gamma^2 \, (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \right)} \right)$$

$$\begin{aligned}
 & \frac{39.47841760435743 \cdot l^4 \alpha (\alpha \gamma \theta)^{1/3}}{\gamma \theta} + \frac{78.95683520871486 \cdot l^2 x^2 \gamma (\alpha \gamma \theta)^{1/3}}{\alpha \theta} - \\
 & \frac{39.47841760435743 \cdot x^4 \gamma^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \theta} + \frac{78.95683520871486 \cdot l^2 r^2 \theta (\alpha \gamma \theta)^{1/3}}{\alpha \gamma} - \\
 & \frac{236.87050562614462 \cdot r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{1/3}}{\alpha^3} + \frac{157.91367041742973 \cdot r^3 x \theta^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \\
 & \frac{39.47841760435743 \cdot r^4 \theta^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \gamma} - \frac{893025 \cdot l^2 r^2 x^{14} \gamma^{14} \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{1.07163 \cdot *^7 l^2 r^3 x^{13} \gamma^{13} \theta^3}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{5.893965 \cdot *^7 l^2 r^4 x^{12} \gamma^{12} \theta^4}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{1.964655 \cdot *^8 l^2 r^5 x^{11} \gamma^{11} \theta^5}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{4.42047375 \cdot *^8 l^2 r^6 x^{10} \gamma^{10} \theta^6}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{7.072758 \cdot *^8 l^2 r^7 x^9 \gamma^9 \theta^7}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{8.251551 \cdot *^8 l^2 r^8 x^8 \gamma^8 \theta^8}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{7.072758 \cdot *^8 l^2 r^9 x^7 \gamma^7 \theta^9}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{4.42047375 \cdot *^8 l^2 r^{10} x^6 \gamma^6 \theta^{10}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{1.964655 \cdot *^8 l^2 r^{11} x^5 \gamma^5 \theta^{11}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{5.893965 \cdot *^7 l^2 r^{12} x^4 \gamma^4 \theta^{12}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{1.07163 \cdot *^7 l^2 r^{13} x^3 \gamma^3 \theta^{13}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{893025 \cdot l^2 r^{14} x^2 \gamma^2 \theta^{14}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{198450 \cdot l^2 r x^{13} \gamma^{13} \theta}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{5.1597 \cdot *^6 l^2 r^2 x^{12} \gamma^{12} \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{4.08807 \cdot *^7 l^2 r^3 x^{11} \gamma^{11} \theta^3}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{1.686825 \cdot *^8 l^2 r^4 x^{10} \gamma^{10} \theta^4}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{4.3162875 \cdot *^8 l^2 r^5 x^9 \gamma^9 \theta^5}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{7.406154 \cdot *^8 l^2 r^6 x^8 \gamma^8 \theta^6}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{8.834994 \cdot *^8 l^2 r^7 x^7 \gamma^7 \theta^7}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{7.406154 \cdot *^8 l^2 r^8 x^6 \gamma^6 \theta^8}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{4.3162875 \cdot *^8 l^2 r^9 x^5 \gamma^5 \theta^9}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{1.686825 \cdot *^8 l^2 r^{10} x^4 \gamma^4 \theta^{10}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{4.08807 \cdot *^7 l^2 r^{11} x^3 \gamma^3 \theta^{11}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{5.1597 \cdot *^6 l^2 r^{12} x^2 \gamma^2 \theta^{12}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{198450 \cdot l^2 r^{13} x \gamma \theta^{13}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{11025 \cdot l^2 x^{12} \gamma^{12}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{724500 \cdot l^2 r x^{11} \gamma^{11} \theta}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{9.9162 \cdot *^6 l^2 r^2 x^{10} \gamma^{10} \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{5.52069 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^3 x^9 \gamma^9 \theta^3}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} - \\
& \frac{1.67984775 \cdot \text{`}\wedge 8 \text{`}\ l^2 r^4 x^8 \gamma^8 \theta^4}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} + \\
& \frac{3.160206 \cdot \text{`}\wedge 8 \text{`}\ l^2 r^5 x^7 \gamma^7 \theta^5}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} - \\
& \frac{3.8808 \cdot \text{`}\wedge 8 \text{`}\ l^2 r^6 x^6 \gamma^6 \theta^6}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} + \\
& \frac{3.160206 \cdot \text{`}\wedge 8 \text{`}\ l^2 r^7 x^5 \gamma^5 \theta^7}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} - \\
& \frac{1.67984775 \cdot \text{`}\wedge 8 \text{`}\ l^2 r^8 x^4 \gamma^4 \theta^8}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} + \\
& \frac{5.52069 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^9 x^3 \gamma^3 \theta^9}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} - \\
& \frac{9.9162 \cdot \text{`}\wedge 6 \text{`}\ l^2 r^{10} x^2 \gamma^2 \theta^{10}}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} + \\
& \frac{724500. \cdot \text{`}\ l^2 r^{11} x \gamma \theta^{11}}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} - \\
& \frac{11025. \cdot \text{`}\ l^2 r^{12} \theta^{12}}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^8} - \\
& \frac{31500. \cdot \text{`}\ l^2 x^{10} \gamma^{10}}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^7} + \\
& \frac{975240. \cdot \text{`}\ l^2 r x^9 \gamma^9 \theta}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^7} - \\
& \frac{8.48736 \cdot \text{`}\wedge 6 \text{`}\ l^2 r^2 x^8 \gamma^8 \theta^2}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^7} + \\
& \frac{3.299436 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^3 x^7 \gamma^7 \theta^3}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^7} - \\
& \frac{7.040754 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^4 x^6 \gamma^6 \theta^4}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^7} + \\
& \frac{8.99136 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^5 x^5 \gamma^5 \theta^5}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^7} -
\end{aligned}$$

$$\begin{aligned}
 & \frac{7.040754 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^6 x^4 \gamma^4 \theta^6}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^7} + \\
 & \frac{3.299436 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^7 x^3 \gamma^3 \theta^7}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^7} - \\
 & \frac{8.48736 \cdot \text{`}\wedge 6 \text{`}\ l^2 r^8 x^2 \gamma^2 \theta^8}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^7} + \\
 & \frac{975240. \text{`}\ l^2 r^9 x \gamma \theta^9}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^7} - \\
 & \frac{31500. \text{`}\ l^2 r^{10} \theta^{10}}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^7} - \\
 & \frac{33210. \text{`}\ l^2 x^8 \gamma^8}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} + \\
 & \frac{602460. \text{`}\ l^2 r x^7 \gamma^7 \theta}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} - \\
 & \frac{3.398625 \cdot \text{`}\wedge 6 \text{`}\ l^2 r^2 x^6 \gamma^6 \theta^2}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} + \\
 & \frac{8.70372 \cdot \text{`}\wedge 6 \text{`}\ l^2 r^3 x^5 \gamma^5 \theta^3}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} - \\
 & \frac{1.174869 \cdot \text{`}\wedge 7 \text{`}\ l^2 r^4 x^4 \gamma^4 \theta^4}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} + \\
 & \frac{8.70372 \cdot \text{`}\wedge 6 \text{`}\ l^2 r^5 x^3 \gamma^3 \theta^5}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} - \\
 & \frac{3.398625 \cdot \text{`}\wedge 6 \text{`}\ l^2 r^6 x^2 \gamma^2 \theta^6}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} + \\
 & \frac{602460. \text{`}\ l^2 r^7 x \gamma \theta^7}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} - \\
 & \frac{33210. \text{`}\ l^2 r^8 \theta^8}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^6} - \\
 & \frac{15720. \text{`}\ l^2 x^6 \gamma^6}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^5} + \\
 & \frac{170670. \text{`}\ l^2 r x^5 \gamma^5 \theta}{(\text{`}\ l^2 \alpha^2 - 1. \text{`}\ x^2 \gamma^2 + 2. \text{`}\ r x \gamma \theta - 1. \text{`}\ r^2 \theta^2 \text{`}\ )^5} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{583320 \cdot l^2 r^2 x^4 \gamma^4 \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{856740 \cdot l^2 r^3 x^3 \gamma^3 \theta^3}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{583320 \cdot l^2 r^4 x^2 \gamma^2 \theta^4}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{170670 \cdot l^2 r^5 x \gamma \theta^5}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{15720 \cdot l^2 r^6 \theta^6}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{3201 \cdot l^2 x^4 \gamma^4}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{18816 \cdot l^2 r x^3 \gamma^3 \theta}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{32526 \cdot l^2 r^2 x^2 \gamma^2 \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{18816 \cdot l^2 r^3 x \gamma \theta^3}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{3201 \cdot l^2 r^4 \theta^4}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{11875.220230569419 \cdot l^3 r x^5 \gamma^4 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{47500.880922277676 \cdot l^3 r^2 x^4 \gamma^3 \theta (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{71251.3213834165 \cdot l^3 r^3 x^3 \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{47500.880922277676 \cdot l^3 r^4 x^2 \gamma \theta^3 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{11875.220230569419 \cdot l^3 r^5 x \theta^4 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{204 \cdot l^2 x^2 \gamma^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} +
 \end{aligned}$$



$$\begin{aligned}
 & \frac{552 \cdot l^2 r x \gamma \theta}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{204 \cdot l^2 r^2 \theta^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{11875.220230569419 \cdot l^3 r x^3 \gamma^2 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{1319.4689145077132 \cdot l^3 x^4 \gamma^3 (\alpha \gamma \theta)^{2/3}}{\theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{21111.50263212341 \cdot l^3 r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{11875.220230569419 \cdot l^3 r^3 x \theta^2 (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{1319.4689145077132 \cdot l^3 r^4 \theta^3 (\alpha \gamma \theta)^{2/3}}{\gamma (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{4 \cdot l^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} - \\
 & \frac{1884.9555921538758 \cdot l^3 r x (\alpha \gamma \theta)^{2/3}}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} + \\
 & \frac{565.4866776461628 \cdot l^3 x^2 \gamma (\alpha \gamma \theta)^{2/3}}{\theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} + \\
 & \frac{565.4866776461628 \cdot l^3 r^2 \theta (\alpha \gamma \theta)^{2/3}}{\gamma (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^2} + \\
 & \frac{201.06192982974676 \cdot l r x (\alpha \gamma \theta)^{2/3}}{\alpha^2 (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \\
 & \frac{25.132741228718345 \cdot l^3 (\alpha \gamma \theta)^{2/3}}{\gamma \theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \\
 & \frac{50.26548245743669 \cdot l x^2 \gamma (\alpha \gamma \theta)^{2/3}}{\alpha^2 \theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \\
 & \frac{50.26548245743669 \cdot l r^2 \theta (\alpha \gamma \theta)^{2/3}}{\alpha^2 \gamma (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)} + \\
 & \frac{78.95683520871486 \cdot l^2 r x (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{39.47841760435743 \cdot l^4 \alpha (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\gamma \theta} - \\
 & \frac{39.47841760435743 \cdot l^2 x^2 \gamma (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha \theta} - \\
 & \frac{39.47841760435743 \cdot l^2 r^2 \theta (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha \gamma} + \\
 & \frac{893025 \cdot l^2 r^2 x^{16} \gamma^{16} \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} - \\
 & \frac{1.250235 \cdot 7 l^2 r^3 x^{15} \gamma^{15} \theta^3 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} + \\
 & \frac{8.1265275 \cdot 7 l^2 r^4 x^{14} \gamma^{14} \theta^4 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} - \\
 & \frac{3.250611 \cdot 8 l^2 r^5 x^{13} \gamma^{13} \theta^5 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} + \\
 & \frac{8.93918025 \cdot 8 l^2 r^6 x^{12} \gamma^{12} \theta^6 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} - \\
 & \frac{1.78783605 \cdot 9 l^2 r^7 x^{11} \gamma^{11} \theta^7 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} + \\
 & \frac{2.681754075 \cdot 9 l^2 r^8 x^{10} \gamma^{10} \theta^8 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} - \\
 & \frac{3.0648618 \cdot 9 l^2 r^9 x^9 \gamma^9 \theta^9 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} + \\
 & \frac{2.681754075 \cdot 9 l^2 r^{10} x^8 \gamma^8 \theta^{10} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} - \\
 & \frac{1.78783605 \cdot 9 l^2 r^{11} x^7 \gamma^7 \theta^{11} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} + \\
 & \frac{8.93918025 \cdot 8 l^2 r^{12} x^6 \gamma^6 \theta^{12} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} - \\
 & \frac{3.250611 \cdot 8 l^2 r^{13} x^5 \gamma^5 \theta^{13} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} + \\
 & \frac{8.1265275 \cdot 7 l^2 r^{14} x^4 \gamma^4 \theta^{14} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{1.250235 \cdot l^7 r^{15} x^3 \gamma^3 \theta^{15} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} + \\
 & \frac{893025 \cdot l^2 r^{16} x^2 \gamma^2 \theta^{16} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{11}} - \\
 & \frac{198450 \cdot l^2 r x^{15} \gamma^{15} \theta \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{6.449625 \cdot l^2 r^2 x^{14} \gamma^{14} \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{6.211485 \cdot l^2 r^3 x^{13} \gamma^{13} \theta^3 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{3.1454325 \cdot l^2 r^4 x^{12} \gamma^{12} \theta^4 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{1.00633995 \cdot l^2 r^5 x^{11} \gamma^{11} \theta^5 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{2.214602775 \cdot l^2 r^6 x^{10} \gamma^{10} \theta^6 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{3.50363475 \cdot l^2 r^7 x^9 \gamma^9 \theta^7 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{4.0733847 \cdot l^2 r^8 x^8 \gamma^8 \theta^8 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{3.50363475 \cdot l^2 r^9 x^7 \gamma^7 \theta^9 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{2.214602775 \cdot l^2 r^{10} x^6 \gamma^6 \theta^{10} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{1.00633995 \cdot l^2 r^{11} x^5 \gamma^5 \theta^{11} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{3.1454325 \cdot l^2 r^{12} x^4 \gamma^4 \theta^{12} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} - \\
 & \frac{6.211485 \cdot l^2 r^{13} x^3 \gamma^3 \theta^{13} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{6.449625 \cdot l^2 r^{14} x^2 \gamma^2 \theta^{14} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{198450 \cdot l^2 r^{15} x \gamma \theta^{15} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^{10}} + \\
 & \frac{11025 \cdot l^2 x^{14} \gamma^{14} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{945000 \cdot l^2 r x^{13} \gamma^{13} \theta \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{1.6535925 \cdot \wedge 7 l^2 r^2 x^{12} \gamma^{12} \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{1.166445 \cdot \wedge 8 l^2 r^3 x^{11} \gamma^{11} \theta^3 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{4.56997275 \cdot \wedge 8 l^2 r^4 x^{10} \gamma^{10} \theta^4 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{1.1388258 \cdot \wedge 9 l^2 r^5 x^9 \gamma^9 \theta^5 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{1.928721375 \cdot \wedge 9 l^2 r^6 x^8 \gamma^8 \theta^6 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{2.2917006 \cdot \wedge 9 l^2 r^7 x^7 \gamma^7 \theta^7 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{1.928721375 \cdot \wedge 9 l^2 r^8 x^6 \gamma^6 \theta^8 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{1.1388258 \cdot \wedge 9 l^2 r^9 x^5 \gamma^5 \theta^9 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{4.56997275 \cdot \wedge 8 l^2 r^{10} x^4 \gamma^4 \theta^{10} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{1.166445 \cdot \wedge 8 l^2 r^{11} x^3 \gamma^3 \theta^{11} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{1.6535925 \cdot \wedge 7 l^2 r^{12} x^2 \gamma^2 \theta^{12} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} - \\
 & \frac{945000 \cdot l^2 r^{13} x \gamma \theta^{13} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} + \\
 & \frac{11025 \cdot l^2 r^{14} \theta^{14} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^9} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{42525 \cdot l^2 x^{12} \gamma^{12} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{1.76274 \cdot l^6 r x^{11} \gamma^{11} \theta \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{2.038554 \cdot l^2 r^2 x^{10} \gamma^{10} \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{1.0615122 \cdot l^2 r^3 x^9 \gamma^9 \theta^3 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{3.12868395 \cdot l^2 r^4 x^8 \gamma^8 \theta^4 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{5.7974364 \cdot l^2 r^5 x^7 \gamma^7 \theta^5 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{7.0872228 \cdot l^2 r^6 x^6 \gamma^6 \theta^6 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{5.7974364 \cdot l^2 r^7 x^5 \gamma^5 \theta^7 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{3.12868395 \cdot l^2 r^8 x^4 \gamma^4 \theta^8 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{1.0615122 \cdot l^2 r^9 x^3 \gamma^3 \theta^9 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{2.038554 \cdot l^2 r^{10} x^2 \gamma^2 \theta^{10} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} - \\
 & \frac{1.76274 \cdot l^2 r^{11} x \gamma \theta^{11} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{42525 \cdot l^2 r^{12} \theta^{12} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^8} + \\
 & \frac{64710 \cdot l^2 x^{10} \gamma^{10} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
 & \frac{1.64412 \cdot l^2 r x^9 \gamma^9 \theta \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
 & \frac{1.3124115 \cdot l^2 r^2 x^8 \gamma^8 \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} -
 \end{aligned}$$

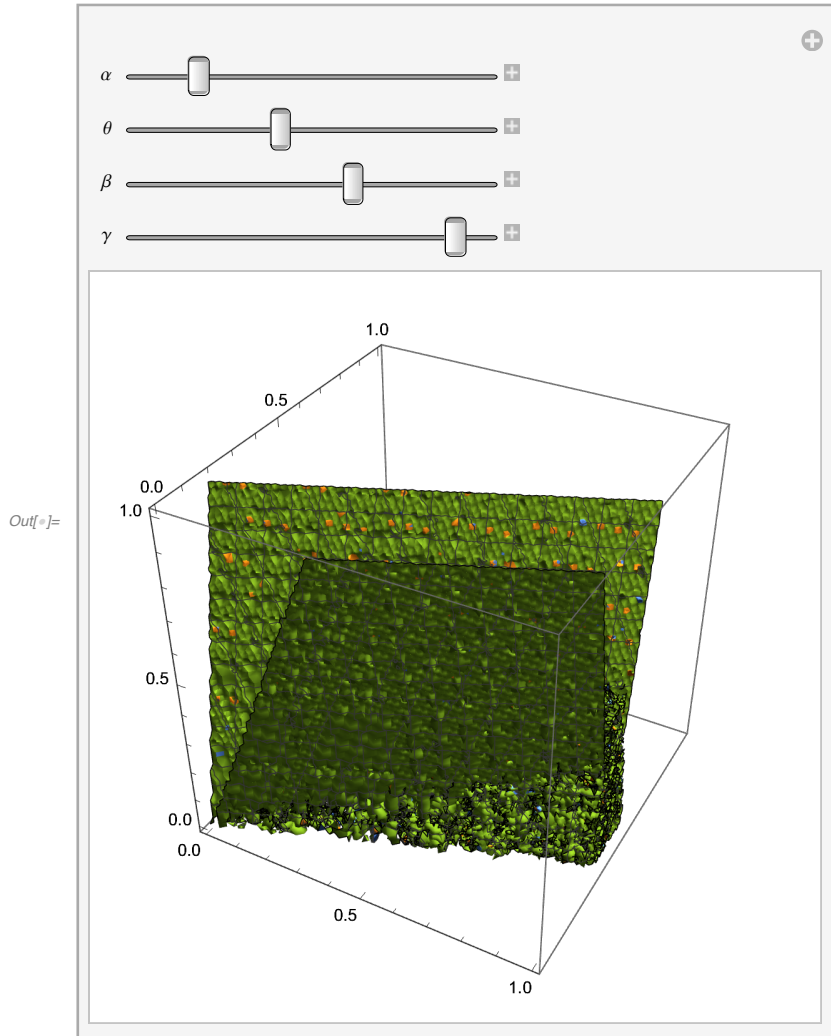
$$\begin{aligned}
& \frac{4.909779 \cdot 10^7 l^2 r^3 x^7 \gamma^7 \theta^3 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
& \frac{1.02962295 \cdot 10^8 l^2 r^4 x^6 \gamma^6 \theta^4 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
& \frac{1.3081842 \cdot 10^8 l^2 r^5 x^5 \gamma^5 \theta^5 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
& \frac{1.02962295 \cdot 10^8 l^2 r^6 x^4 \gamma^4 \theta^6 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
& \frac{4.909779 \cdot 10^7 l^2 r^7 x^3 \gamma^3 \theta^7 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
& \frac{1.3124115 \cdot 10^7 l^2 r^8 x^2 \gamma^2 \theta^8 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} - \\
& \frac{1.64412 \cdot 10^6 l^2 r^9 x \gamma \theta^9 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
& \frac{64710 \cdot l^2 r^{10} \theta^{10} \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^7} + \\
& \frac{48930 \cdot l^2 x^8 \gamma^8 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} - \\
& \frac{804570 \cdot l^2 r x^7 \gamma^7 \theta \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} + \\
& \frac{4.339005 \cdot 10^6 l^2 r^2 x^6 \gamma^6 \theta^2 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} - \\
& \frac{1.089777 \cdot 10^7 l^2 r^3 x^5 \gamma^5 \theta^3 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} + \\
& \frac{1.462881 \cdot 10^7 l^2 r^4 x^4 \gamma^4 \theta^4 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} - \\
& \frac{1.089777 \cdot 10^7 l^2 r^5 x^3 \gamma^3 \theta^5 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} + \\
& \frac{4.339005 \cdot 10^6 l^2 r^6 x^2 \gamma^2 \theta^6 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} - \\
& \frac{804570 \cdot l^2 r^7 x \gamma \theta^7 \sin[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} +
\end{aligned}$$

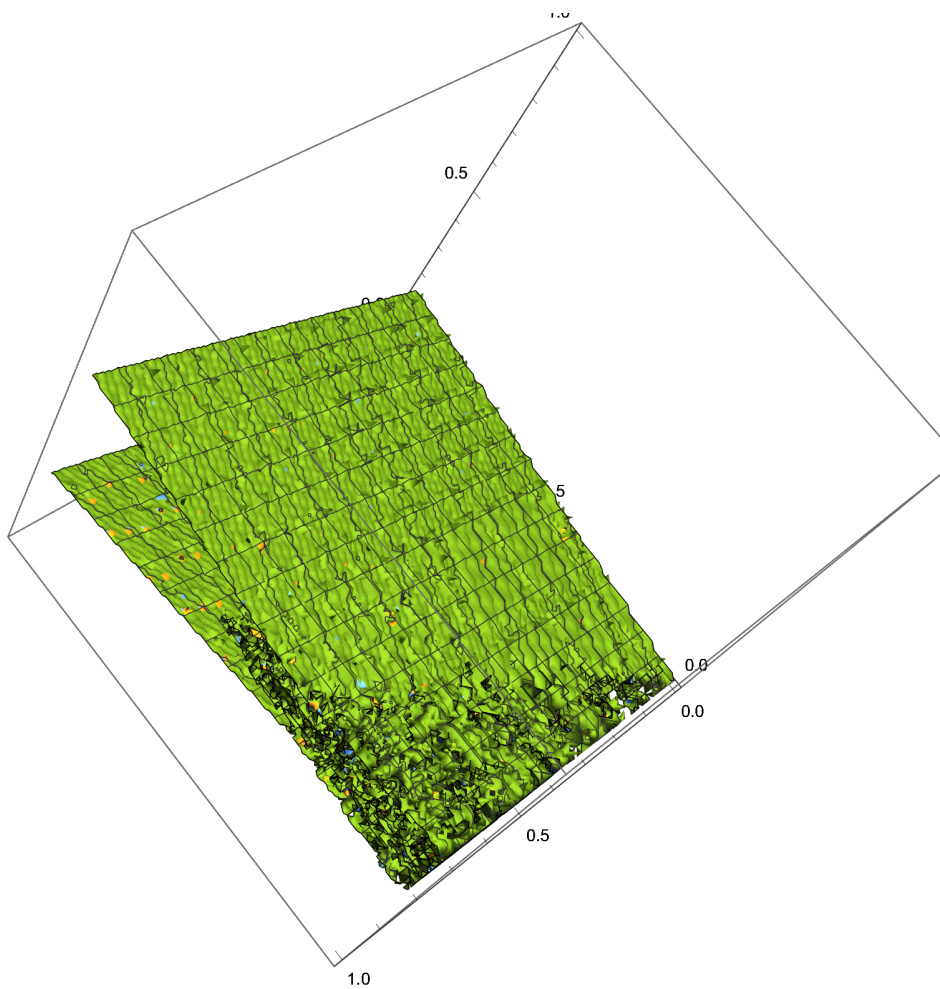
$$\begin{aligned}
 & \frac{48930 \cdot l^2 r^8 \theta^8 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^6} + \\
 & \frac{18921 \cdot l^2 x^6 \gamma^6 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{195888 \cdot l^2 r x^5 \gamma^5 \theta \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{656679 \cdot l^2 r^2 x^4 \gamma^4 \theta^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{959424 \cdot l^2 r^3 x^3 \gamma^3 \theta^3 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{656679 \cdot l^2 r^4 x^2 \gamma^2 \theta^4 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{195888 \cdot l^2 r^5 x \gamma \theta^5 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{18921 \cdot l^2 r^6 \theta^6 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{11875.220230569419 \cdot l^3 r x^7 \gamma^6 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{71251.3213834165 \cdot l^3 r^2 x^6 \gamma^5 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{178128.30345854128 \cdot l^3 r^3 x^5 \gamma^4 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{237504.40461138837 \cdot l^3 r^4 x^4 \gamma^3 \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{178128.30345854128 \cdot l^3 r^5 x^3 \gamma^2 \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} - \\
 & \frac{71251.3213834165 \cdot l^3 r^6 x^2 \gamma \theta^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{11875.220230569419 \cdot l^3 r^7 x \theta^6 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^5} + \\
 & \frac{3405 \cdot l^2 x^4 \gamma^4 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} -
 \end{aligned}$$

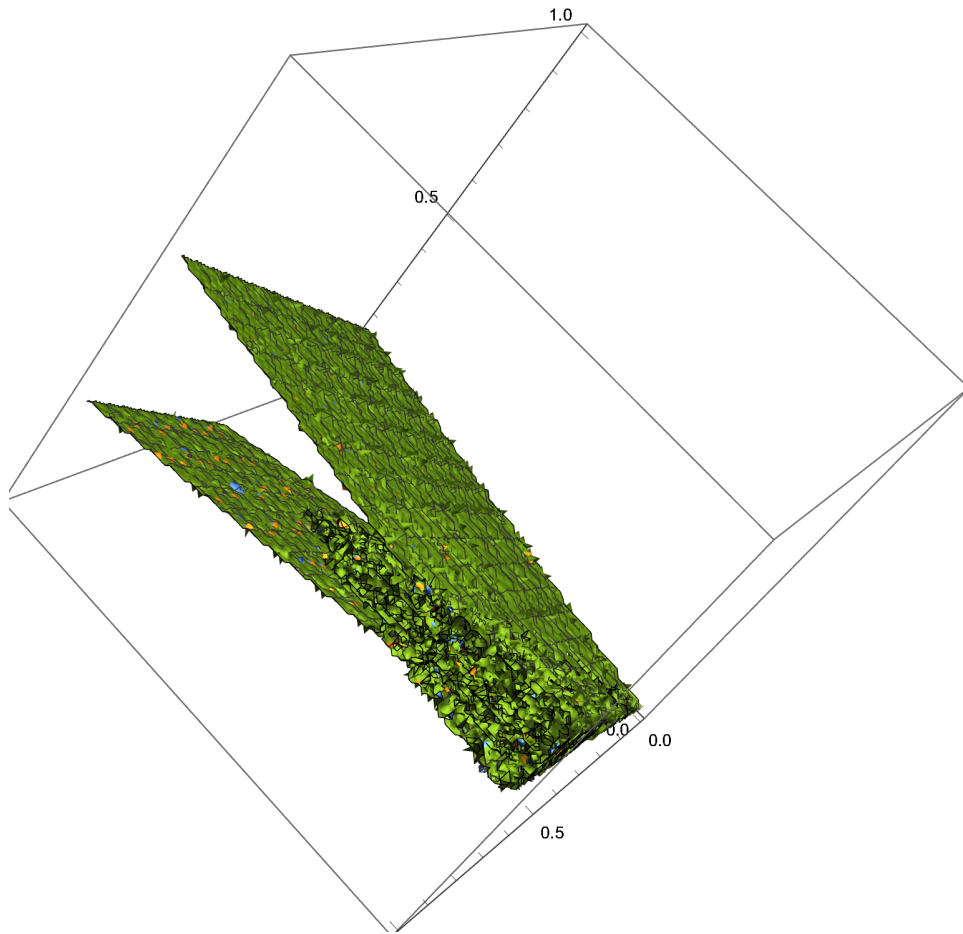
$$\begin{aligned}
 & \frac{19776 \cdot l^2 r x^3 \gamma^3 \theta \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{34038 \cdot l^2 r^2 x^2 \gamma^2 \theta^2 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{19776 \cdot l^2 r^3 x \gamma \theta^3 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{3405 \cdot l^2 r^4 \theta^4 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{26389.37829015426 \cdot l^3 r x^5 \gamma^4 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{1319.4689145077132 \cdot l^3 x^6 \gamma^5 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{\theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{93682.29293004764 \cdot l^3 r^2 x^4 \gamma^3 \theta (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{137224.76710880216 \cdot l^3 r^3 x^3 \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{93682.29293004764 \cdot l^3 r^4 x^2 \gamma \theta^3 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{26389.37829015426 \cdot l^3 r^5 x \theta^4 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} - \\
 & \frac{1319.4689145077132 \cdot l^3 r^6 \theta^5 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{\gamma (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^4} + \\
 & \frac{208 \cdot l^2 x^2 \gamma^2 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{560 \cdot l^2 r x \gamma \theta \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{208 \cdot l^2 r^2 \theta^2 \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} + \\
 & \frac{14891.14917801562 \cdot l^3 r x^3 \gamma^2 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{(l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} - \\
 & \frac{1884.9555921538758 \cdot l^3 x^4 \gamma^3 (\alpha \gamma \theta)^{2/3} \operatorname{Sin}[\beta]^2}{\theta (l^2 \alpha^2 - 1 \cdot x^2 \gamma^2 + 2 \cdot r x \gamma \theta - 1 \cdot r^2 \theta^2)^3} -
 \end{aligned}$$



$$\begin{aligned}
 & \frac{26012.387171723487 \cdot l^3 r^2 x^2 \gamma \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^3} + \\
 & \frac{14891.14917801562 \cdot l^3 r^3 x \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^3} - \\
 & \frac{1884.9555921538758 \cdot l^3 r^4 \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^3} + \\
 & \frac{4. \cdot l^2 \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^2} + \\
 & \frac{1734.1591447815658 \cdot l^3 r x (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^2} - \\
 & \frac{640.8849013323178 \cdot l^3 x^2 \gamma (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^2} - \\
 & \frac{640.8849013323178 \cdot l^3 r^2 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)^2} - \\
 & \left. \frac{25.132741228718345 \cdot l^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma \theta (l^2 \alpha^2 - 1. \cdot x^2 \gamma^2 + 2. \cdot r x \gamma \theta - 1. \cdot r^2 \theta^2)} \right) / \\
 & \left( \sqrt{-1. \cdot l^2 \alpha^2 + x^2 \gamma^2 - 2. \cdot r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2} \right), \{r, \\
 & \theta, \\
 & 1\}, \{x, \\
 & \theta, \\
 & 1\}, \{l, \\
 & \theta, \\
 & 1\}], \{\alpha, \theta, 2 \\
 & \pi\}, \{\theta, \theta, 2 \\
 & \pi\}, \{\beta, \theta, \pi / \\
 & 2\}, \{\gamma, \theta, 2 \\
 & \pi\}
 \end{aligned}$$







... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **Infinity:** Indeterminate expression  $0. \text{I}^2 \text{ r x ComplexInfinity}$  encountered.

... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

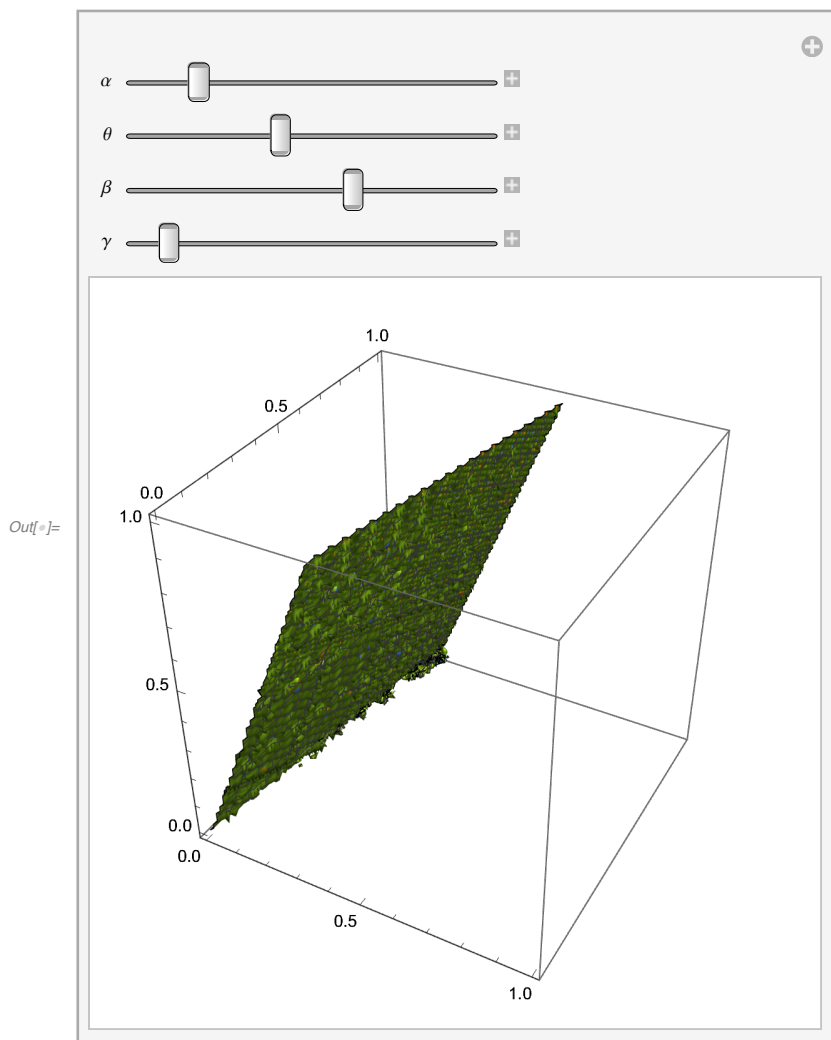
... **Infinity:** Indeterminate expression  $0. \text{r x}^3 \text{ ComplexInfinity}$  encountered.

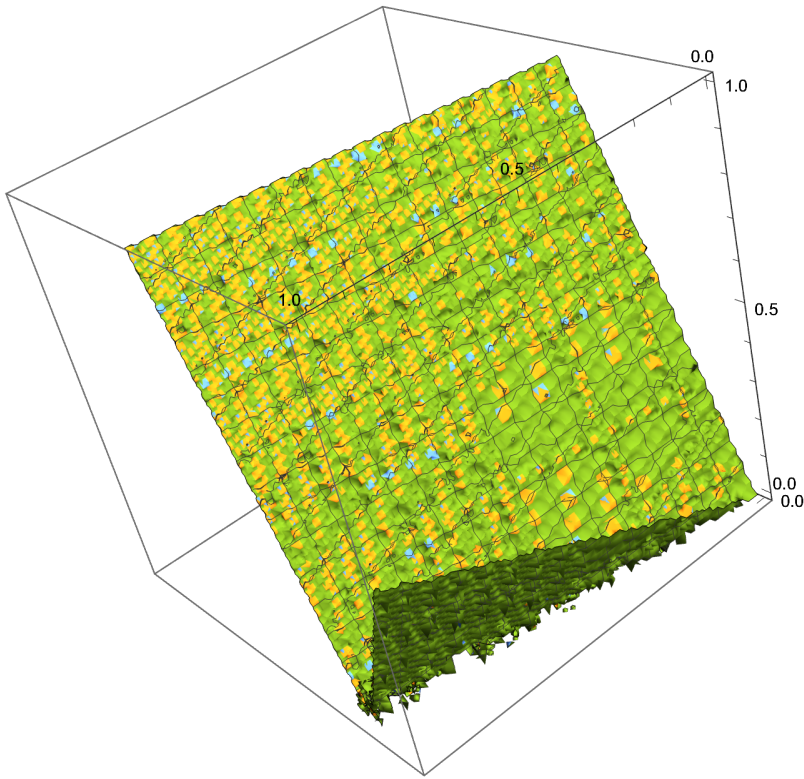
... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **General:** Further output of Power::infy will be suppressed during this calculation.

... **Infinity:** Indeterminate expression  $0. \text{I}^4 \text{ ComplexInfinity}$  encountered.

... **General:** Further output of Infinity::indet will be suppressed during this calculation.





$$\begin{aligned}
 \text{In[ ]:= Solve} & \left[ \frac{2 \pi \sqrt{l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2}}{\alpha (\alpha \gamma \theta)^{1/3}} - \right. \\
 & \left( - \frac{945 l^3 \alpha^2 (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{16 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{11/2}} + \right. \\
 & \frac{105 l^3 \alpha^2 \gamma \theta (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l^3 x \alpha^2 \theta (2 r x \gamma - 2 r^2 \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l^3 \alpha^2 (2 x \gamma - 4 r \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l^3 \alpha^2 (-4 x \gamma + 2 r \theta) (2 r x \gamma - 2 r^2 \theta) (2 x \gamma \theta - 2 r \theta^2)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \left. \left. \frac{105 l^3 r \alpha^2 \gamma (-2 x^2 \gamma + 2 r x \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \right. \right.
 \end{aligned}$$

$$\begin{aligned}
 & \frac{105 l^3 r x \alpha^2 (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} + \\
 & \frac{105 l (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{16 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{9/2}} - \\
 & \frac{30 l^3 r x \alpha^2 \gamma \theta}{(l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l^3 \alpha^2 (2 x \gamma - 4 r \theta) (-4 x \gamma + 2 r \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
 & \frac{15 l^3 \alpha^2 \theta (2 r x \gamma - 2 r^2 \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l^3 \alpha^2 \gamma (-2 x^2 \gamma + 2 r x \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
 & \frac{15 l \gamma \theta (2 r x \gamma - 2 r^2 \theta) (-2 x^2 \gamma + 2 r x \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
 & \frac{15 l^3 x \alpha^2 (-2 x \gamma^2 + 2 r \gamma \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l x \theta (2 r x \gamma - 2 r^2 \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
 & \frac{15 l (2 x \gamma - 4 r \theta) (-2 x^2 \gamma + 2 r x \theta) (-2 x \gamma^2 + 2 r \gamma \theta)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
 & \frac{15 l^3 r \alpha^2 (2 x \gamma \theta - 2 r \theta^2)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
 & \frac{15 l (-4 x \gamma + 2 r \theta) (2 r x \gamma - 2 r^2 \theta) (2 x \gamma \theta - 2 r \theta^2)}{8 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \\
 & \frac{15 l r \gamma (-2 x^2 \gamma + 2 r x \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} - \frac{15 l r x (-2 x \gamma^2 + 2 r \gamma \theta) (2 x \gamma \theta - 2 r \theta^2)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{7/2}} + \\
 & \frac{3 l^3 \alpha^2}{(l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \frac{6 l r x \gamma \theta}{(l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \\
 & \frac{3 l (2 x \gamma - 4 r \theta) (-4 x \gamma + 2 r \theta)}{4 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \frac{3 l \theta (2 r x \gamma - 2 r^2 \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \\
 & \frac{3 l \gamma (-2 x^2 \gamma + 2 r x \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \frac{3 l x (-2 x \gamma^2 + 2 r \gamma \theta)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} + \\
 & \left. \frac{3 l r (2 x \gamma \theta - 2 r \theta^2)}{2 (l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{5/2}} - \frac{l}{(l^2 \alpha^2 - x^2 \gamma^2 + 2 r x \gamma \theta - r^2 \theta^2)^{3/2}} \right) = \\
 & \frac{\sqrt{-c^2 l^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 l^2 \alpha^2 \text{Sin}[\beta]^2}}{\sqrt{-1. \cdot l^2 \alpha^2 + x^2 \gamma^2 - 2. \cdot r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}}, c]
 \end{aligned}$$

$$\begin{aligned}
 Out[4]= & \left\{ \left\{ \mathbf{c} \rightarrow - \left( \left( 1. \sqrt[10]{ - \frac{3.16931 \times 10^{168} (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{3.16931 \times 10^{168} \gamma^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \frac{7.92328 \times 10^{167} \alpha (\alpha \gamma \theta)^{1/3}}{\gamma \theta} + \frac{1.58466 \times 10^{168} \gamma (\alpha \gamma \theta)^{1/3}}{\alpha \theta} - \frac{7.92328 \times 10^{167} \gamma^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \theta} + \frac{1.58466 \times 10^{168} \theta (\alpha \gamma \theta)^{1/3}}{\alpha \gamma} - \frac{4.75397 \times 10^{168} \gamma \theta (\alpha \gamma \theta)^{1/3}}{\alpha^3} + \frac{3.16931 \times 10^{168} \theta^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \frac{7.92328 \times 10^{167} \theta^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \gamma} - \frac{1.79229 \times 10^{172} \gamma^{14} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{2.15075 \times 10^{173} \gamma^{13} \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{1.18291 \times 10^{174} \gamma^{12} \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{3.94304 \times 10^{174} \gamma^{11} \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{8.87184 \times 10^{174} \gamma^{10} \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{1.41949 \times 10^{175} \gamma^9 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{1.65608 \times 10^{175} \gamma^8 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{1.41949 \times 10^{175} \gamma^7 \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{8.87184 \times 10^{174} \gamma^6 \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{3.94304 \times 10^{174} \gamma^5 \theta^{11}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{1.18291 \times 10^{174} \gamma^4 \theta^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{2.15075 \times 10^{173} \gamma^3 \theta^{13}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{1.79229 \times 10^{172} \gamma^2 \theta^{14}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{3.98287 \times 10^{171} \gamma^{13} \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{1.03555 \times 10^{173} \gamma^{12} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{8.20471 \times 10^{173} \gamma^{11} \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{3.38544 \times 10^{174} \gamma^{10} \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{8.66274 \times 10^{174} \gamma^9 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{1.48641 \times 10^{175} \gamma^8 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{1.77317 \times 10^{175} \gamma^7 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{1.48641 \times 10^{175} \gamma^6 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{8.66274 \times 10^{174} \gamma^5 \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} \right) \right\}
 \end{aligned}$$



$$\begin{aligned}
 & \frac{3.38544 \times 10^{174} \gamma^4 \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{8.20471 \times 10^{173} \gamma^3 \theta^{11}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{1.03555 \times 10^{173} \gamma^2 \theta^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{3.98287 \times 10^{171} \gamma \theta^{13}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{2.21271 \times 10^{170} \gamma^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{1.45406 \times 10^{172} \gamma^{11} \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{1.99017 \times 10^{173} \gamma^{10} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{1.108 \times 10^{174} \gamma^9 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{3.37144 \times 10^{174} \gamma^8 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{6.3425 \times 10^{174} \gamma^7 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{7.78873 \times 10^{174} \gamma^6 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{6.3425 \times 10^{174} \gamma^5 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{3.37144 \times 10^{174} \gamma^4 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{1.108 \times 10^{174} \gamma^3 \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{1.99017 \times 10^{173} \gamma^2 \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{1.45406 \times 10^{172} \gamma \theta^{11}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{2.21271 \times 10^{170} \theta^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{6.32202 \times 10^{170} \gamma^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{1.9573 \times 10^{172} \gamma^9 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{1.7034 \times 10^{173} \gamma^8 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{6.62193 \times 10^{173} \gamma^7 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{1.41307 \times 10^{174} \gamma^6 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{1.80456 \times 10^{174} \gamma^5 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{1.41307 \times 10^{174} \gamma^4 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{6.62193 \times 10^{173} \gamma^3 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{1.7034 \times 10^{173} \gamma^2 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{1.9573 \times 10^{172} \gamma \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{6.32202 \times 10^{170} \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
 & \frac{6.66521 \times 10^{170} \gamma^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{1.20913 \times 10^{172} \gamma^7 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
 & \frac{6.82101 \times 10^{172} \gamma^6 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{1.74683 \times 10^{173} \gamma^5 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2.35795 \times 10^{173} \gamma^4 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{1.74683 \times 10^{173} \gamma^3 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
 & \frac{6.82101 \times 10^{172} \gamma^2 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{1.20913 \times 10^{172} \gamma \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
 & \frac{6.66521 \times 10^{170} \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{3.15499 \times 10^{170} \gamma^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
 & \frac{3.42533 \times 10^{171} \gamma^5 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{1.17072 \times 10^{172} \gamma^4 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
 & \frac{1.71947 \times 10^{172} \gamma^3 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{1.17072 \times 10^{172} \gamma^2 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
 & \frac{3.42533 \times 10^{171} \gamma \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{3.15499 \times 10^{170} \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
 & \frac{6.42438 \times 10^{169} \gamma^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{3.77635 \times 10^{170} \gamma^3 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
 & \frac{6.52794 \times 10^{170} \gamma^2 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{3.77635 \times 10^{170} \gamma \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
 & \frac{6.42438 \times 10^{169} \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{2.38335 \times 10^{170} \gamma^4 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \\
 & \frac{9.53338 \times 10^{170} \gamma^3 \theta (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{1.43001 \times 10^{171} \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \\
 & \frac{9.53338 \times 10^{170} \gamma \theta^3 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{2.38335 \times 10^{170} \theta^4 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
 & \frac{4.09426 \times 10^{168} \gamma^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{1.10786 \times 10^{169} \gamma \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
 & \frac{4.09426 \times 10^{168} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \frac{2.38335 \times 10^{170} \gamma^2 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \\
 & \frac{2.64816 \times 10^{169} \gamma^3 (\alpha \gamma \theta)^{2/3}}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{4.23706 \times 10^{170} \gamma \theta (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
 & \frac{2.38335 \times 10^{170} \theta^2 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{2.64816 \times 10^{169} \theta^3 (\alpha \gamma \theta)^{2/3}}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \\
 & \frac{2.22168 \times 10^{154} \gamma \theta^3 (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \frac{1.11084 \times 10^{154} \theta^4 (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8.02797 \times 10^{166}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \frac{3.78309 \times 10^{169} (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} + \\
 & \frac{1.13493 \times 10^{169} \gamma (\alpha \gamma \theta)^{2/3}}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} + \frac{1.13493 \times 10^{169} \theta (\alpha \gamma \theta)^{2/3}}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \\
 & \frac{1.16572 \times 10^{154} \gamma \theta (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \frac{1.11084 \times 10^{154} \theta^2 (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} + \\
 & \frac{4.0353 \times 10^{168} (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \frac{5.04412 \times 10^{167} (\alpha \gamma \theta)^{2/3}}{\gamma \theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \\
 & \frac{1.00882 \times 10^{168} \gamma (\alpha \gamma \theta)^{2/3}}{\alpha^2 \theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \frac{1.00882 \times 10^{168} \theta (\alpha \gamma \theta)^{2/3}}{\alpha^2 \gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \\
 & \frac{1.58466 \times 10^{168} (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha} + \frac{7.92328 \times 10^{167} \alpha (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\gamma \theta} - \\
 & \frac{7.92328 \times 10^{167} \gamma (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha \theta} - \frac{7.92328 \times 10^{167} \theta (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha \gamma} + \\
 & \frac{1.79229 \times 10^{172} \gamma^{16} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{2.50921 \times 10^{173} \gamma^{15} \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \\
 & \frac{1.63098 \times 10^{174} \gamma^{14} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{6.52394 \times 10^{174} \gamma^{13} \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \\
 & \frac{1.79408 \times 10^{175} \gamma^{12} \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{3.58817 \times 10^{175} \gamma^{11} \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \\
 & \frac{5.38225 \times 10^{175} \gamma^{10} \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{6.15114 \times 10^{175} \gamma^9 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \\
 & \frac{5.38225 \times 10^{175} \gamma^8 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{3.58817 \times 10^{175} \gamma^7 \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \\
 & \frac{1.79408 \times 10^{175} \gamma^6 \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{6.52394 \times 10^{174} \gamma^5 \theta^{13} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \\
 & \frac{1.63098 \times 10^{174} \gamma^4 \theta^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{2.50921 \times 10^{173} \gamma^3 \theta^{15} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \\
 & \frac{1.79229 \times 10^{172} \gamma^2 \theta^{16} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \frac{3.98287 \times 10^{171} \gamma^{15} \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
 & \frac{1.29443 \times 10^{173} \gamma^{14} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{1.24664 \times 10^{174} \gamma^{13} \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{6.31285 \times 10^{174} \gamma^{12} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{2.01971 \times 10^{175} \gamma^{11} \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{4.44468 \times 10^{175} \gamma^{10} \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{7.03176 \times 10^{175} \gamma^9 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{8.17524 \times 10^{175} \gamma^8 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{7.03176 \times 10^{175} \gamma^7 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{4.44468 \times 10^{175} \gamma^6 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{2.01971 \times 10^{175} \gamma^5 \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{6.31285 \times 10^{174} \gamma^4 \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{1.24664 \times 10^{174} \gamma^3 \theta^{13} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{1.29443 \times 10^{173} \gamma^2 \theta^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \frac{3.98287 \times 10^{171} \gamma \theta^{15} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{2.21271 \times 10^{170} \gamma^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{1.8966 \times 10^{172} \gamma^{13} \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{3.31874 \times 10^{173} \gamma^{12} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{2.34104 \times 10^{174} \gamma^{11} \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{9.17189 \times 10^{174} \gamma^{10} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{2.28561 \times 10^{175} \gamma^9 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{3.87092 \times 10^{175} \gamma^8 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{4.59942 \times 10^{175} \gamma^7 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{3.87092 \times 10^{175} \gamma^6 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{2.28561 \times 10^{175} \gamma^5 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{9.17189 \times 10^{174} \gamma^4 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{2.34104 \times 10^{174} \gamma^3 \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{3.31874 \times 10^{173} \gamma^2 \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \frac{1.8966 \times 10^{172} \gamma \theta^{13} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{2.21271 \times 10^{170} \theta^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{8.53472 \times 10^{170} \gamma^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
& \frac{3.5378 \times 10^{172} \gamma^{11} \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{4.09136 \times 10^{173} \gamma^{10} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
& \frac{2.13044 \times 10^{174} \gamma^9 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{6.27924 \times 10^{174} \gamma^8 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} -
\end{aligned}$$

$$\begin{aligned}
 & \frac{1.16354 \times 10^{175} \gamma^7 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{1.4224 \times 10^{175} \gamma^6 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{1.16354 \times 10^{175} \gamma^5 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{6.27924 \times 10^{174} \gamma^4 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{2.13044 \times 10^{174} \gamma^3 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{4.09136 \times 10^{173} \gamma^2 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{3.5378 \times 10^{172} \gamma \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{8.53472 \times 10^{170} \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{1.29872 \times 10^{171} \gamma^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{3.29973 \times 10^{172} \gamma^9 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{2.634 \times 10^{173} \gamma^8 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{9.85388 \times 10^{173} \gamma^7 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{2.06644 \times 10^{174} \gamma^6 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{2.62551 \times 10^{174} \gamma^5 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{2.06644 \times 10^{174} \gamma^4 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{9.85388 \times 10^{173} \gamma^3 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{2.634 \times 10^{173} \gamma^2 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{3.29973 \times 10^{172} \gamma \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \\
 & \frac{1.29872 \times 10^{171} \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{9.8202 \times 10^{170} \gamma^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
 & \frac{1.61476 \times 10^{172} \gamma^7 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{8.70834 \times 10^{172} \gamma^6 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
 & \frac{2.18717 \times 10^{173} \gamma^5 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{2.93599 \times 10^{173} \gamma^4 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
 & \frac{2.18717 \times 10^{173} \gamma^3 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{8.70834 \times 10^{172} \gamma^2 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
 & \frac{1.61476 \times 10^{172} \gamma \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{9.8202 \times 10^{170} \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
 & \frac{3.79743 \times 10^{170} \gamma^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{3.93145 \times 10^{171} \gamma^5 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
 & \frac{1.31795 \times 10^{172} \gamma^4 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{1.92555 \times 10^{172} \gamma^3 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{1.31795 \times 10^{172} \gamma^2 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{3.93145 \times 10^{171} \gamma \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
& \frac{3.79743 \times 10^{170} \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{2.38334 \times 10^{170} \gamma^6 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{1.43001 \times 10^{171} \gamma^5 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{3.57502 \times 10^{171} \gamma^4 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{4.76669 \times 10^{171} \gamma^3 \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
& \frac{3.57502 \times 10^{171} \gamma^2 \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{1.43001 \times 10^{171} \gamma \theta^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
& \frac{2.38334 \times 10^{170} \theta^6 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{6.8338 \times 10^{169} \gamma^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{3.96902 \times 10^{170} \gamma^3 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{6.83139 \times 10^{170} \gamma^2 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{3.96902 \times 10^{170} \gamma \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{6.8338 \times 10^{169} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \\
& \frac{5.29632 \times 10^{170} \gamma^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{2.64816 \times 10^{169} \gamma^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{1.88019 \times 10^{171} \gamma^3 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{2.75409 \times 10^{171} \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{1.88019 \times 10^{171} \gamma \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{5.29632 \times 10^{170} \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{2.64816 \times 10^{169} \theta^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{4.17454 \times 10^{168} \gamma^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
& \frac{1.12391 \times 10^{169} \gamma \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{4.17454 \times 10^{168} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \\
& \frac{2.98864 \times 10^{170} \gamma^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \frac{3.78309 \times 10^{169} \gamma^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
& \frac{5.22066 \times 10^{170} \gamma \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{2.98864 \times 10^{170} \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
& \frac{3.78309 \times 10^{169} \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{8.02797 \times 10^{166} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} +
\end{aligned}$$

$$\begin{aligned}
 & \left. \left( \frac{3.48044 \times 10^{169} (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \frac{1.28625 \times 10^{169} \gamma (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \right. \right. \\
 & \left. \frac{1.28625 \times 10^{169} \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \frac{5.04412 \times 10^{167} (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma \theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} \right) \Bigg/ \\
 & \left( \sqrt{(-2.00699 \times 10^{166} \alpha^2 + 2.00699 \times 10^{166} \gamma^2 - 4.01398 \times 10^{166} \gamma \theta + \right. \\
 & \left. 2.00699 \times 10^{166} \theta^2 + 2.00699 \times 10^{166} \alpha^2 \text{Sin}[\beta]^2)} \right) \Bigg\}, \\
 \{c \rightarrow & \left( \sqrt{\left( -\frac{3.16931 \times 10^{168} (\alpha \gamma \theta)^{1/3}}{\alpha} + \frac{3.16931 \times 10^{168} \gamma^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \right. \right. \\
 & \frac{7.92328 \times 10^{167} \alpha (\alpha \gamma \theta)^{1/3}}{\gamma \theta} + \\
 & \frac{1.58466 \times 10^{168} \gamma (\alpha \gamma \theta)^{1/3}}{\alpha \theta} - \\
 & \frac{7.92328 \times 10^{167} \gamma^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \theta} + \\
 & \frac{1.58466 \times 10^{168} \theta (\alpha \gamma \theta)^{1/3}}{\alpha \gamma} - \\
 & \frac{4.75397 \times 10^{168} \gamma \theta (\alpha \gamma \theta)^{1/3}}{\alpha^3} + \\
 & \frac{3.16931 \times 10^{168} \theta^2 (\alpha \gamma \theta)^{1/3}}{\alpha^3} - \\
 & \frac{7.92328 \times 10^{167} \theta^3 (\alpha \gamma \theta)^{1/3}}{\alpha^3 \gamma} - \\
 & \frac{1.79229 \times 10^{172} \gamma^{14} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
 & \frac{2.15075 \times 10^{173} \gamma^{13} \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
 & \frac{1.18291 \times 10^{174} \gamma^{12} \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
 & \frac{3.94304 \times 10^{174} \gamma^{11} \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
 & \left. \left. \frac{8.87184 \times 10^{174} \gamma^{10} \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} \right) \right)
 \end{aligned}$$

$$\begin{aligned}
& \frac{1.41949 \times 10^{175} \gamma^9 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{1.65608 \times 10^{175} \gamma^8 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{1.41949 \times 10^{175} \gamma^7 \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{8.87184 \times 10^{174} \gamma^6 \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{3.94304 \times 10^{174} \gamma^5 \theta^{11}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{1.18291 \times 10^{174} \gamma^4 \theta^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{2.15075 \times 10^{173} \gamma^3 \theta^{13}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{1.79229 \times 10^{172} \gamma^2 \theta^{14}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \\
& \frac{3.98287 \times 10^{171} \gamma^{13} \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
& \frac{1.03555 \times 10^{173} \gamma^{12} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{8.20471 \times 10^{173} \gamma^{11} \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
& \frac{3.38544 \times 10^{174} \gamma^{10} \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{8.66274 \times 10^{174} \gamma^9 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
& \frac{1.48641 \times 10^{175} \gamma^8 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
& \frac{1.77317 \times 10^{175} \gamma^7 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
& \frac{1.48641 \times 10^{175} \gamma^6 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} +
\end{aligned}$$



$$\begin{aligned}
 & \frac{8.66274 \times 10^{174} \gamma^5 \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{3.38544 \times 10^{174} \gamma^4 \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
 & \frac{8.20471 \times 10^{173} \gamma^3 \theta^{11}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{1.03555 \times 10^{173} \gamma^2 \theta^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
 & \frac{3.98287 \times 10^{171} \gamma \theta^{13}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{2.21271 \times 10^{170} \gamma^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{1.45406 \times 10^{172} \gamma^{11} \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{1.99017 \times 10^{173} \gamma^{10} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{1.108 \times 10^{174} \gamma^9 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{3.37144 \times 10^{174} \gamma^8 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{6.3425 \times 10^{174} \gamma^7 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{7.78873 \times 10^{174} \gamma^6 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{6.3425 \times 10^{174} \gamma^5 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{3.37144 \times 10^{174} \gamma^4 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{1.108 \times 10^{174} \gamma^3 \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{1.99017 \times 10^{173} \gamma^2 \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{1.45406 \times 10^{172} \gamma \theta^{11}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{2.21271 \times 10^{170} \theta^{12}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \\
 & \frac{6.32202 \times 10^{170} \gamma^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{1.9573 \times 10^{172} \gamma^9 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
 & \frac{1.7034 \times 10^{173} \gamma^8 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{6.62193 \times 10^{173} \gamma^7 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} -
 \end{aligned}$$

$$\begin{aligned}
& \frac{1.41307 \times 10^{174} \gamma^6 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{1.80456 \times 10^{174} \gamma^5 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
& \frac{1.41307 \times 10^{174} \gamma^4 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{6.62193 \times 10^{173} \gamma^3 \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
& \frac{1.7034 \times 10^{173} \gamma^2 \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{1.9573 \times 10^{172} \gamma \theta^9}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
& \frac{6.32202 \times 10^{170} \theta^{10}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \frac{6.66521 \times 10^{170} \gamma^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{1.20913 \times 10^{172} \gamma^7 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{6.82101 \times 10^{172} \gamma^6 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{1.74683 \times 10^{173} \gamma^5 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{2.35795 \times 10^{173} \gamma^4 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{1.74683 \times 10^{173} \gamma^3 \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{6.82101 \times 10^{172} \gamma^2 \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{1.20913 \times 10^{172} \gamma \theta^7}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{6.66521 \times 10^{170} \theta^8}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \\
& \frac{3.15499 \times 10^{170} \gamma^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{3.42533 \times 10^{171} \gamma^5 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{1.17072 \times 10^{172} \gamma^4 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{1.71947 \times 10^{172} \gamma^3 \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{1.17072 \times 10^{172} \gamma^2 \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{3.42533 \times 10^{171} \gamma \theta^5}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{3.15499 \times 10^{170} \theta^6}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{6.42438 \times 10^{169} \gamma^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \\
& \frac{3.77635 \times 10^{170} \gamma^3 \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{6.52794 \times 10^{170} \gamma^2 \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \\
& \frac{3.77635 \times 10^{170} \gamma \theta^3}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{6.42438 \times 10^{169} \theta^4}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{2.38335 \times 10^{170} \gamma^4 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{9.53338 \times 10^{170} \gamma^3 \theta (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{1.43001 \times 10^{171} \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{9.53338 \times 10^{170} \gamma \theta^3 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{1.43001 \times 10^{171} \theta^4 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{9.53338 \times 10^{170} \theta^4 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} -
\end{aligned}$$

$$\begin{aligned}
 & \frac{2.38335 \times 10^{170} \theta^4 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{4.09426 \times 10^{168} \gamma^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \\
 & \frac{1.10786 \times 10^{169} \gamma \theta}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \frac{4.09426 \times 10^{168} \theta^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
 & \frac{2.38335 \times 10^{170} \gamma^2 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{2.64816 \times 10^{169} \gamma^3 (\alpha \gamma \theta)^{2/3}}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \\
 & \frac{4.23706 \times 10^{170} \gamma \theta (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \frac{2.38335 \times 10^{170} \theta^2 (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \\
 & \frac{2.64816 \times 10^{169} \theta^3 (\alpha \gamma \theta)^{2/3}}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{2.22168 \times 10^{154} \gamma \theta^3 (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
 & \frac{1.11084 \times 10^{154} \theta^4 (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \frac{8.02797 \times 10^{166}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \\
 & \frac{3.78309 \times 10^{169} (\alpha \gamma \theta)^{2/3}}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} + \frac{1.13493 \times 10^{169} \gamma (\alpha \gamma \theta)^{2/3}}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} + \\
 & \frac{1.13493 \times 10^{169} \theta (\alpha \gamma \theta)^{2/3}}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \frac{1.16572 \times 10^{154} \gamma \theta (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \\
 & \frac{1.11084 \times 10^{154} \theta^2 (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} + \frac{4.0353 \times 10^{168} (\alpha \gamma \theta)^{2/3}}{\alpha^2 (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \\
 & \frac{5.04412 \times 10^{167} (\alpha \gamma \theta)^{2/3}}{\gamma \theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \frac{1.00882 \times 10^{168} \gamma (\alpha \gamma \theta)^{2/3}}{\alpha^2 \theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \\
 & \frac{1.00882 \times 10^{168} \theta (\alpha \gamma \theta)^{2/3}}{\alpha^2 \gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} + \frac{1.58466 \times 10^{168} (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha} + \\
 & \frac{7.92328 \times 10^{167} \alpha (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\gamma \theta} - \\
 & \frac{7.92328 \times 10^{167} \gamma (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha \theta} - \\
 & \frac{7.92328 \times 10^{167} \theta (\alpha \gamma \theta)^{1/3} \text{Sin}[\beta]^2}{\alpha \gamma} + \frac{1.79229 \times 10^{172} \gamma^{16} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \\
 & \frac{2.50921 \times 10^{173} \gamma^{15} \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \frac{1.63098 \times 10^{174} \gamma^{14} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \\
 & \frac{6.52394 \times 10^{174} \gamma^{13} \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \frac{1.79408 \times 10^{175} \gamma^{12} \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} -
 \end{aligned}$$

$$\begin{aligned}
& \frac{3.58817 \times 10^{175} \gamma^{11} \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \frac{5.38225 \times 10^{175} \gamma^{10} \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \\
& \frac{6.15114 \times 10^{175} \gamma^9 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \frac{5.38225 \times 10^{175} \gamma^8 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \\
& \frac{3.58817 \times 10^{175} \gamma^7 \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \frac{1.79408 \times 10^{175} \gamma^6 \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \\
& \frac{6.52394 \times 10^{174} \gamma^5 \theta^{13} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \frac{1.63098 \times 10^{174} \gamma^4 \theta^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \\
& \frac{2.50921 \times 10^{173} \gamma^3 \theta^{15} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} + \frac{1.79229 \times 10^{172} \gamma^2 \theta^{16} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{11}} - \\
& \frac{3.98287 \times 10^{171} \gamma^{15} \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{1.29443 \times 10^{173} \gamma^{14} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{1.24664 \times 10^{174} \gamma^{13} \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{6.31285 \times 10^{174} \gamma^{12} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{2.01971 \times 10^{175} \gamma^{11} \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{4.44468 \times 10^{175} \gamma^{10} \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{7.03176 \times 10^{175} \gamma^9 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{8.17524 \times 10^{175} \gamma^8 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{7.03176 \times 10^{175} \gamma^7 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{4.44468 \times 10^{175} \gamma^6 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{2.01971 \times 10^{175} \gamma^5 \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{6.31285 \times 10^{174} \gamma^4 \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{1.24664 \times 10^{174} \gamma^3 \theta^{13} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{1.29443 \times 10^{173} \gamma^2 \theta^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} - \\
& \frac{3.98287 \times 10^{171} \gamma \theta^{15} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^{10}} + \frac{2.21271 \times 10^{170} \gamma^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
& \frac{1.8966 \times 10^{172} \gamma^{13} \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{3.31874 \times 10^{173} \gamma^{12} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
& \frac{2.34104 \times 10^{174} \gamma^{11} \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{9.17189 \times 10^{174} \gamma^{10} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
& \frac{2.28561 \times 10^{175} \gamma^9 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{3.87092 \times 10^{175} \gamma^8 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} -
\end{aligned}$$

$$\begin{aligned}
 & \frac{4.59942 \times 10^{175} \gamma^7 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{3.87092 \times 10^{175} \gamma^6 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{2.28561 \times 10^{175} \gamma^5 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{9.17189 \times 10^{174} \gamma^4 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{2.34104 \times 10^{174} \gamma^3 \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{3.31874 \times 10^{173} \gamma^2 \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} - \\
 & \frac{1.8966 \times 10^{172} \gamma \theta^{13} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \frac{2.21271 \times 10^{170} \theta^{14} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^9} + \\
 & \frac{8.53472 \times 10^{170} \gamma^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{3.5378 \times 10^{172} \gamma^{11} \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{4.09136 \times 10^{173} \gamma^{10} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{2.13044 \times 10^{174} \gamma^9 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{6.27924 \times 10^{174} \gamma^8 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{1.16354 \times 10^{175} \gamma^7 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{1.4224 \times 10^{175} \gamma^6 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{1.16354 \times 10^{175} \gamma^5 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{6.27924 \times 10^{174} \gamma^4 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{2.13044 \times 10^{174} \gamma^3 \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{4.09136 \times 10^{173} \gamma^2 \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} - \frac{3.5378 \times 10^{172} \gamma \theta^{11} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \\
 & \frac{8.53472 \times 10^{170} \theta^{12} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^8} + \frac{1.29872 \times 10^{171} \gamma^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
 & \frac{3.29973 \times 10^{172} \gamma^9 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{2.634 \times 10^{173} \gamma^8 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
 & \frac{9.85388 \times 10^{173} \gamma^7 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{2.06644 \times 10^{174} \gamma^6 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
 & \frac{2.62551 \times 10^{174} \gamma^5 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{2.06644 \times 10^{174} \gamma^4 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
 & \frac{9.85388 \times 10^{173} \gamma^3 \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{2.634 \times 10^{173} \gamma^2 \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} - \\
 & \frac{3.29973 \times 10^{172} \gamma \theta^9 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} + \frac{1.29872 \times 10^{171} \theta^{10} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^7} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{9.8202 \times 10^{170} \gamma^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{1.61476 \times 10^{172} \gamma^7 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{8.70834 \times 10^{172} \gamma^6 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{2.18717 \times 10^{173} \gamma^5 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{2.93599 \times 10^{173} \gamma^4 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{2.18717 \times 10^{173} \gamma^3 \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{8.70834 \times 10^{172} \gamma^2 \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} - \frac{1.61476 \times 10^{172} \gamma \theta^7 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \\
& \frac{9.8202 \times 10^{170} \theta^8 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^6} + \frac{3.79743 \times 10^{170} \gamma^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{3.93145 \times 10^{171} \gamma^5 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{1.31795 \times 10^{172} \gamma^4 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{1.92555 \times 10^{172} \gamma^3 \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{1.31795 \times 10^{172} \gamma^2 \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{3.93145 \times 10^{171} \gamma \theta^5 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{3.79743 \times 10^{170} \theta^6 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
& \frac{2.38334 \times 10^{170} \gamma^6 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \frac{1.43001 \times 10^{171} \gamma^5 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
& \frac{3.57502 \times 10^{171} \gamma^4 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{4.76669 \times 10^{171} \gamma^3 \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
& \frac{3.57502 \times 10^{171} \gamma^2 \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} - \\
& \frac{1.43001 \times 10^{171} \gamma \theta^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \\
& \frac{2.38334 \times 10^{170} \theta^6 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^5} + \frac{6.8338 \times 10^{169} \gamma^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{3.96902 \times 10^{170} \gamma^3 \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{6.83139 \times 10^{170} \gamma^2 \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
& \frac{3.96902 \times 10^{170} \gamma \theta^3 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{6.8338 \times 10^{169} \theta^4 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} +
\end{aligned}$$

$$\begin{aligned}
 & \frac{5.29632 \times 10^{170} \gamma^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \frac{2.64816 \times 10^{169} \gamma^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
 & \frac{1.88019 \times 10^{171} \gamma^3 \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \\
 & \frac{2.75409 \times 10^{171} \gamma^2 \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
 & \frac{1.88019 \times 10^{171} \gamma \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{5.29632 \times 10^{170} \theta^4 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} - \\
 & \frac{2.64816 \times 10^{169} \theta^5 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^4} + \frac{4.17454 \times 10^{168} \gamma^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
 & \frac{1.12391 \times 10^{169} \gamma \theta \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{4.17454 \times 10^{168} \theta^2 \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \\
 & \frac{2.98864 \times 10^{170} \gamma^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \frac{3.78309 \times 10^{169} \gamma^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
 & \frac{5.22066 \times 10^{170} \gamma \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{2.98864 \times 10^{170} \theta^2 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} - \\
 & \frac{3.78309 \times 10^{169} \theta^3 (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^3} + \frac{8.02797 \times 10^{166} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} + \\
 & \frac{3.48044 \times 10^{169} (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{(1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \frac{1.28625 \times 10^{169} \gamma (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \\
 & \left. \left. \left. \frac{1.28625 \times 10^{169} \theta (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)^2} - \frac{5.04412 \times 10^{167} (\alpha \gamma \theta)^{2/3} \text{Sin}[\beta]^2}{\gamma \theta (1. \alpha^2 - 1. \gamma^2 + 2. \gamma \theta - 1. \theta^2)} \right) \right) \right) / \\
 & \left( \sqrt{(-2.00699 \times 10^{166} \alpha^2 + 2.00699 \times 10^{166} \gamma^2 - 4.01398 \times 10^{166} \gamma \theta + \right. \\
 & \left. 2.00699 \times 10^{166} \theta^2 + 2.00699 \times 10^{166} \alpha^2 \text{Sin}[\beta]^2)} \right) \left. \right\} \left. \right\}
 \end{aligned}$$

# Theory of Phenomenological Dark Matter

**Preface :**

**Generic Arc Length Difference :**

$$\theta r = \gamma x - \alpha y \tag{1}$$

**0.0.1.**  $\theta r = s$

**0.0.2.**  $\gamma x = q$

**0.0.3.**  $\alpha y = p$

**0.0.4.**  $l\alpha = w$

$$\text{In[*]} := y^2 = l^2 - h^2 \tag{2}$$

$$\theta r = \gamma x - \alpha \sqrt{l^2 - h^2} \tag{3}$$

$$s = q - \alpha \sqrt{l^2 - h^2} \tag{4}$$

$$l \sin[\beta] = h$$

$$\text{SOH; } h/l = \sin[\beta]$$

$$\text{CAH; } y/l = \cos[\beta]$$

$$\text{TOA; } h/y = \tan[\beta]$$

$$y = \frac{q - s}{\alpha} \tag{5}$$

$$\text{In[*]} := \text{Solve}[s = q - \alpha \sqrt{l^2 - h^2}, h]$$

$$\text{Out[*]} := \left\{ \left\{ h \rightarrow -\frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} \right\}, \left\{ h \rightarrow \frac{\sqrt{-q^2 + 2qs - s^2 + l^2 \alpha^2}}{\alpha} \right\} \right\}$$

- h can be interpreted as acceleration, but for the purposes of this paper and algebraic architecture, it is distance .

$$\text{In[*]} := \text{Solve} \left[ \frac{\sqrt{(-q^2 + 2qs - s^2 + l^2 \alpha^2)} \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} = \frac{\sqrt{-(q - s - l\alpha)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(q - s + l\alpha)}}{\alpha}, v \right]$$

$$\text{Out[*]} := \{\{\}\}$$



$$\text{In[*]:= Solve}\left[\frac{\sqrt{(-q^2 + 2 q s - s^2 + l^2 \alpha^2)} \sqrt{1 - \frac{v^2}{c^2}}}{\alpha} = \frac{\sqrt{-(q - s - l \alpha)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(q - s + l \alpha)}}{\alpha}, \text{Reals}\right]$$

... **Solve:** The solution set contains a full-dimensional component; use Reduce for complete solution information.

Out[\*]= {{}}

$$\text{In[*]:= Solve}\left[l \text{Sin}[\beta] = \frac{\sqrt{(l \alpha + x \gamma - r \theta)} \sqrt{1 - \frac{v^2}{c^2}} \sqrt{(l \alpha - x \gamma + r \theta)}}{\alpha}, v\right]$$

Out[\*]= {{v →

$$-\left(\left(1. \sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + 8.98755 \times 10^{16} r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Sin}[\beta]^2)}\right) / \left(\sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}\right)\right)\},$$

$$\left\{v \rightarrow \left(\sqrt{(-8.98755 \times 10^{16} l^2 \alpha^2 + 8.98755 \times 10^{16} x^2 \gamma^2 - 1.79751 \times 10^{17} r x \gamma \theta + 8.98755 \times 10^{16} r^2 \theta^2 + 8.98755 \times 10^{16} l^2 \alpha^2 \text{Sin}[\beta]^2)}\right) / \left(\sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}\right)\right\}$$

$$v = \frac{\sqrt{-c^2 l^2 \alpha^2 + c^2 x^2 \gamma^2 - 2 c^2 r x \gamma \theta + c^2 r^2 \theta^2 + c^2 l^2 \alpha^2 \text{Sin}[\beta]^2}}{\sqrt{-1. l^2 \alpha^2 + x^2 \gamma^2 - 2. r x \gamma \theta + r^2 \theta^2 + l^2 \alpha^2 \text{Sin}[\beta]^2}} =$$

phenomenological velocity

(6)

Cosmological Constant

Phenomenological Accleration =

$$D\left[D\left[D\left[\frac{\sqrt{-c^2 w^2 + c^2 q^2 - 2 c^2 s q + c^2 s^2 + c^2 w^2 \text{Sin}[\beta]^2}}{\sqrt{-1. w^2 + q^2 - 2. s q + s^2 + w^2 \text{Sin}[\beta]^2}}, w\right], s\right], q\right], \beta$$

$$\text{Out[11]= } -\left(\left(1.68517 \times 10^{17} (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w^2 \text{Cos}[\beta] \text{Sin}[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \text{Sin}[\beta]^2)\right) / \left(\sqrt{q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \text{Sin}[\beta]^2)^{7/2}\right)\right) - \left(3.37033 \times 10^{16} (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w^2 \text{Cos}[\beta] \text{Sin}[\beta] (-2. w + 2 w \text{Sin}[\beta]^2)\right) / \left((q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s +$$

$$\begin{aligned}
& \left. \left( 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2 \right)^{5/2} \right) - \\
& \left( 3.37033 \times 10^{16} (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-2. q + 2 s) w^2 \cos[\beta] \right. \\
& \quad \left. \sin[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{5/2} \right) - \\
& \left( 3 (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) \right. \\
& \quad \left. w^2 \cos[\beta] \sin[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) \right) / \\
& \left( 8 (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{5/2} \right) - \\
& \left( 3.37033 \times 10^{16} (2 q - 2. s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w^2 \cos[\beta] \right. \\
& \quad \left. \sin[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{5/2} \right) + \\
& \left( 1.34813 \times 10^{17} (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) \right. \\
& \quad \left. w \cos[\beta] \sin[\beta] \right) / \\
& \left( \sqrt{q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{5/2} \right) - \\
& \left( 1.21164 \times 10^{34} w^2 \cos[\beta] \sin[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) \right) / \\
& \left( \sqrt{q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{5/2} \right) - \\
& \left( 3.37033 \times 10^{16} (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-2. q + 2 s) w^2 \right. \\
& \quad \left. \cos[\beta] \sin[\beta] (-2. w + 2 w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2} \right) - \\
& \left( 3 (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) \right. \\
& \quad \left. w^2 \cos[\beta] \sin[\beta] (-2. w + 2 w \sin[\beta]^2) \right) / \\
& \left( 8 (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2} \right) - \\
& \left( 3.37033 \times 10^{16} (2 q - 2. s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w^2 \right. \\
& \quad \left. \cos[\beta] \sin[\beta] (-2. w + 2 w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2} \right) - \\
& \left( 3 (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-2. q + 2 s) w^2 \cos[\beta] \sin[\beta] \right)
\end{aligned}$$

$$\begin{aligned}
 & (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) / \\
 & (8 (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) - \\
 & (3.37033 \times 10^{16} (2 q - 2. s) (-2. q + 2 s) w^2 \cos[\beta] \sin[\beta] \\
 & \quad (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) / \\
 & \quad ((q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) - \\
 & (3 (2 q - 2. s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w^2 \cos[\beta] \sin[\beta] \\
 & \quad (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) / \\
 & \quad (8 (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) + \\
 & (4.49378 \times 10^{16} (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-2. q + 2 s) w \cos[\beta] \sin[\beta]) / \\
 & \quad ((q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) + \\
 & ((1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) \\
 & \quad w \cos[\beta] \sin[\beta]) / \\
 & \quad (2 (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) + \\
 & (4.49378 \times 10^{16} (2 q - 2. s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w \cos[\beta] \sin[\beta]) / \\
 & \quad ((q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) - \\
 & (4.0388 \times 10^{33} w^2 \cos[\beta] \sin[\beta] (-2. w + 2 w \sin[\beta]^2) / \\
 & \quad ((q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) - \\
 & (8.98755 \times 10^{16} w^2 \cos[\beta] \sin[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) / \\
 & \quad ((q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + \\
 & \quad 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) + \\
 & (1.61552 \times 10^{34} w \cos[\beta] \sin[\beta]) / (\sqrt{q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2} \\
 & \quad (8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + 8.98755 \times 10^{16} s^2 - \\
 & \quad 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)^{3/2}) - \\
 & (15 (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-2. q + 2 s) w^2 \cos[\beta] \sin[\beta] \\
 & \quad (-2. w + 2 w \sin[\beta]^2) / \\
 & \quad (8 (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s +
 \end{aligned}$$

$$\begin{aligned}
& \left. \left( 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2 \right) \right) - \\
& \left( 1.68517 \times 10^{17} (2q - 2s) (-2q + 2s) w^2 \cos[\beta] \sin[\beta] (-2w + 2w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) - \\
& \left( 15 (2q - 2s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w^2 \cos[\beta] \right. \\
& \quad \left. \sin[\beta] (-2w + 2w \sin[\beta]^2) \right) / \\
& \left( 8 (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) - \left( 15 (2q - 2s) \right. \\
& \quad \left. (-2q + 2s) w^2 \cos[\beta] \sin[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) \right) / \\
& \left( 8 (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& \left( 3 (1.79751 \times 10^{17} q - 1.79751 \times 10^{17} s) (-2q + 2s) w \cos[\beta] \sin[\beta] \right) / \\
& \left( 2 (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& \left( 1.34813 \times 10^{17} (2q - 2s) (-2q + 2s) w \cos[\beta] \sin[\beta] \right) / \\
& \left( (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& \left( 3 (2q - 2s) (-1.79751 \times 10^{17} q + 1.79751 \times 10^{17} s) w \cos[\beta] \sin[\beta] \right) / \\
& \left( 2 (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) - \\
& \left( 2.69627 \times 10^{17} w^2 \cos[\beta] \sin[\beta] (-2w + 2w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) - \\
& \left( 1.5 w^2 \cos[\beta] \sin[\beta] (-1.79751 \times 10^{17} w + 1.79751 \times 10^{17} w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + \right. \\
& \quad \left. 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& \left( 3.59502 \times 10^{17} w \cos[\beta] \sin[\beta] \right) / \left( (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{3/2} \right. \\
& \quad \left. \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + 8.98755 \times 10^{16} s^2 - \right.} \\
& \quad \left. 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& \left( 105 (2q - 2s) (-2q + 2s) w^2 \cos[\beta] \sin[\beta] (-2w + 2w \sin[\beta]^2) \right. \\
& \quad \left. \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} qs + 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + \right.} \\
& \quad \left. 8.98755 \times 10^{16} w^2 \sin[\beta]^2)} \right) / \left( 8 (q^2 - 2qs + s^2 - 1. w^2 + w^2 \sin[\beta]^2)^{9/2} \right) -
\end{aligned}$$

$$\begin{aligned}
& \left( 15 (2 q - 2. s) (-2. q + 2 s) w \text{Cos}[\beta] \text{Sin}[\beta] \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \text{Sin}[\beta]^2)} \right) / \\
& \left( 2 (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2)^{7/2} \right) + \left( 7.5 w^2 \text{Cos}[\beta] \text{Sin}[\beta] (-2. w + 2 w \text{Sin}[\beta]^2) \right. \\
& \left. \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \text{Sin}[\beta]^2)} \right) / (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2)^{7/2} - \\
& \left( 6. w \text{Cos}[\beta] \text{Sin}[\beta] \sqrt{(8.98755 \times 10^{16} q^2 - 1.79751 \times 10^{17} q s + 8.98755 \times 10^{16} s^2 - 8.98755 \times 10^{16} w^2 + 8.98755 \times 10^{16} w^2 \text{Sin}[\beta]^2)} \right) / (q^2 - 2. q s + s^2 - 1. w^2 + w^2 \text{Sin}[\beta]^2)^{5/2}
\end{aligned}$$

```

In[12]:= Manipulate[SphericalPlot3D[
- ((1.685165960131533`*^17 (1.7975103574736352`*^17 q - 1.7975103574736352`*^17 s)
(-1.7975103574736352`*^17 q + 1.7975103574736352`*^17 s) w^2 Cos[\beta] Sin[\beta]
(-1.7975103574736352`*^17 w + 1.7975103574736352`*^17 w Sin[\beta]^2)) /
(\sqrt{q^2 - 2.` q s + s^2 - 1.` w^2 + w^2 Sin[\beta]^2} (8.987551787368176`*^16 q^2 -
1.7975103574736352`*^17 q s + 8.987551787368176`*^16 s^2 -
8.987551787368176`*^16 w^2 + 8.987551787368176`*^16 w^2 Sin[\beta]^2)^{7/2}) -
(3.370331920263066`*^16 (1.7975103574736352`*^17 q - 1.7975103574736352`*^17 s)
(-1.7975103574736352`*^17 q + 1.7975103574736352`*^17 s)
w^2 Cos[\beta] Sin[\beta] (-2.` w + 2 w Sin[\beta]^2)) /
((q^2 - 2.` q s + s^2 - 1.` w^2 + w^2 Sin[\beta]^2)^{3/2} (8.987551787368176`*^16 q^2 -
1.7975103574736352`*^17 q s + 8.987551787368176`*^16 s^2 -
8.987551787368176`*^16 w^2 + 8.987551787368176`*^16 w^2 Sin[\beta]^2)^{5/2}) -
(3.370331920263066`*^16 (1.7975103574736352`*^17 q - 1.7975103574736352`*^17 s)
(-2.` q + 2 s) w^2 Cos[\beta] Sin[\beta]
(-1.7975103574736352`*^17 w + 1.7975103574736352`*^17 w Sin[\beta]^2)) /
((q^2 - 2.` q s + s^2 - 1.` w^2 + w^2 Sin[\beta]^2)^{3/2} (8.987551787368176`*^16 q^2 -
1.7975103574736352`*^17 q s + 8.987551787368176`*^16 s^2 -
8.987551787368176`*^16 w^2 + 8.987551787368176`*^16 w^2 Sin[\beta]^2)^{5/2}) -
(3 (1.7975103574736352`*^17 q - 1.7975103574736352`*^17 s)
(-1.7975103574736352`*^17 q + 1.7975103574736352`*^17 s) w^2 Cos[\beta] Sin[\beta]
(-1.7975103574736352`*^17 w + 1.7975103574736352`*^17 w Sin[\beta]^2)) /
(8 (q^2 - 2.` q s + s^2 - 1.` w^2 + w^2 Sin[\beta]^2)^{3/2} (8.987551787368176`*^16 q^2 -
1.7975103574736352`*^17 q s + 8.987551787368176`*^16 s^2 -
8.987551787368176`*^16 w^2 + 8.987551787368176`*^16 w^2 Sin[\beta]^2)^{5/2}) -
(3.370331920263066`*^16 (2 q - 2.` s) (-1.7975103574736352`*^17 q +
1.7975103574736352`*^17 s) w^2 Cos[\beta] Sin[\beta]

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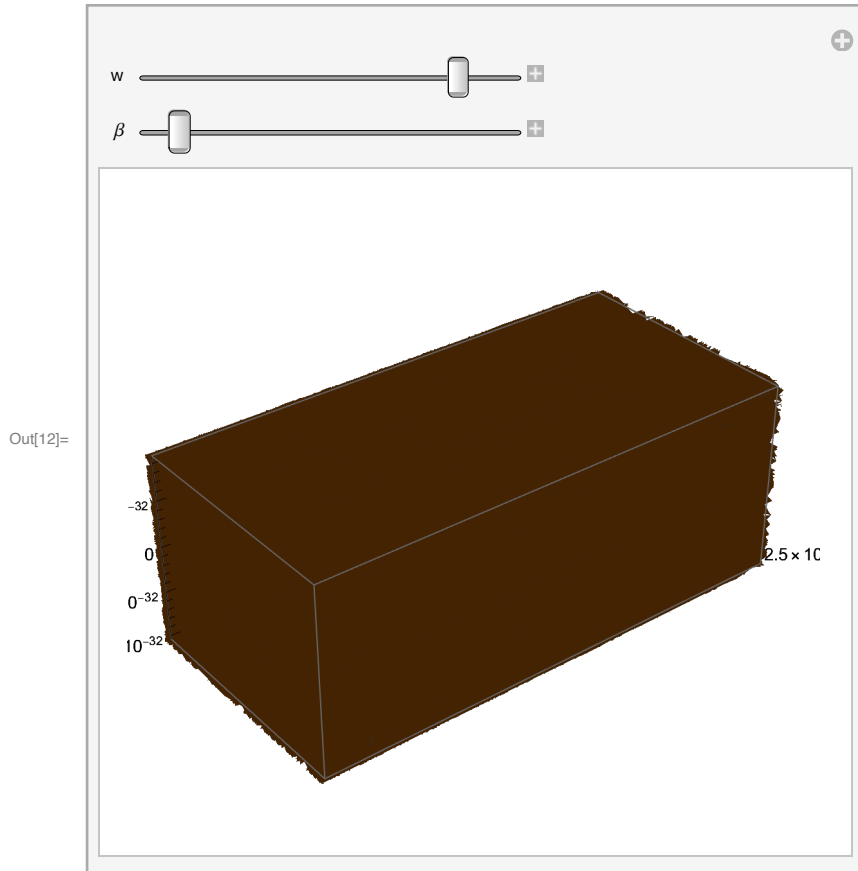
$$\begin{aligned}
& \left( -1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin[\beta]^2 \right) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot q s + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{5/2} \right) + \\
& (1.3481327681052264 \cdot (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& \quad (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) w \cos[\beta] \sin[\beta]) / \\
& \left( \sqrt{q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot q s + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{5/2} \right) - \\
& (1.2116413069593733 \cdot w^2 \cos[\beta] \sin[\beta] (-1.7975103574736352 \cdot w + \\
& \quad 1.7975103574736352 \cdot w \sin[\beta]^2)) / \\
& \left( \sqrt{q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot q s + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{5/2} \right) - \\
& (3.370331920263066 \cdot (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& \quad (-2 \cdot q + 2 s) w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot q s + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2} \right) - \\
& (3 (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& \quad (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) \\
& \quad w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& \left( 8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot q s + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2} \right) - \\
& (3.370331920263066 \cdot (2 q - 2 \cdot s) (-1.7975103574736352 \cdot q + \\
& \quad 1.7975103574736352 \cdot s) w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot q s + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2} \right) - \\
& (3 (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) (-2 \cdot q + 2 s) w^2 \cos[\beta] \\
& \quad \sin[\beta] (-1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin[\beta]^2)) / \\
& \left( 8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot q s + 8.987551787368176 \cdot s^2 -
\end{aligned}$$

$$\begin{aligned}
& (8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2} - \\
& (3.370331920263066 \cdot (2q - 2 \cdot s) (-2 \cdot q + 2s) w^2 \cos[\beta] \sin[\beta] \\
& (-1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin[\beta]^2)) / \\
& ((q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} (8.987551787368176 \cdot q^2 - \\
& 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2}) - \\
& (3(2q - 2 \cdot s) (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) w^2 \cos[\beta] \\
& \sin[\beta] (-1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin[\beta]^2)) / \\
& (8(q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} (8.987551787368176 \cdot q^2 - \\
& 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2}) + \\
& (4.493775893684088 \cdot (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& (-2 \cdot q + 2s) w \cos[\beta] \sin[\beta]) / \\
& ((q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot q^2 - \\
& 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2}) + \\
& ((1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) w \cos[\beta] \sin[\beta]) / \\
& (2(q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot q^2 - \\
& 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2}) + \\
& (4.493775893684088 \cdot (2q - 2 \cdot s) (-1.7975103574736352 \cdot q + \\
& 1.7975103574736352 \cdot s) w \cos[\beta] \sin[\beta]) / \\
& ((q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot q^2 - \\
& 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2}) - \\
& (4.038804356531245 \cdot w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2w \sin[\beta]^2)) / \\
& ((q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot q^2 - \\
& 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2}) - \\
& (8.987551787368176 \cdot w^2 \cos[\beta] \sin[\beta] (-1.7975103574736352 \cdot w + \\
& 1.7975103574736352 \cdot w \sin[\beta]^2)) / \\
& ((q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot q^2 - \\
& 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)^{3/2}) +
\end{aligned}$$

$$\begin{aligned}
& (1.615521742612498 \cdot 10^{34} w \cos[\beta] \sin[\beta]) / \left( \sqrt{q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2} \right. \\
& \quad \left. (8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + \right. \\
& \quad \quad 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + \\
& \quad \quad \left. 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)^{3/2} \right) - \\
& (15 (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) (-2 \cdot q + 2 s) \\
& \quad w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& \left( 8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) - \\
& (1.685165960131533 \cdot 10^{17} (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w^2 \cos[\beta] \\
& \quad \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) - \\
& (15 (2 q - 2 \cdot s) (-1.7975103574736352 \cdot 10^{17} q + 1.7975103574736352 \cdot 10^{17} s) \\
& \quad w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& \left( 8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) - \\
& (15 (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w^2 \cos[\beta] \sin[\beta] (-1.7975103574736352 \cdot 10^{17} w + \\
& \quad 1.7975103574736352 \cdot 10^{17} w \sin[\beta]^2)) / \\
& \left( 8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& (3 (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) \\
& \quad (-2 \cdot q + 2 s) w \cos[\beta] \sin[\beta]) / \\
& \left( 2 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& (1.3481327681052264 \cdot 10^{17} (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w \cos[\beta] \sin[\beta]) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) + \\
& (3 (2 q - 2 \cdot s) (-1.7975103574736352 \cdot 10^{17} q + 1.7975103574736352 \cdot 10^{17} s) \\
& \quad w \cos[\beta] \sin[\beta]) /
\end{aligned}$$



$$\begin{aligned}
 & \left( 2 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) - \\
 & (2.6962655362104528 \cdot 10^{17} w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
 & \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) - (1.5 \cdot w^2 \cos[\beta] \sin[\beta] (-1.7975103574736352 \cdot 10^{17} w + 1.7975103574736352 \cdot 10^{17} w \sin[\beta]^2)) / \\
 & \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) + \\
 & (3.5950207149472704 \cdot 10^{17} w \cos[\beta] \sin[\beta]) / \\
 & \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)} \right) + \\
 & (105 (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2) \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)}) / \\
 & \left( 8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{9/2} \right) - \\
 & (15 (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w \cos[\beta] \sin[\beta] \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)}) / \\
 & \left( 2 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \right) + (7.5 \cdot w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2) \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)}) / (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} - \\
 & (6 \cdot w \cos[\beta] \sin[\beta] \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)}) / \\
 & (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2}, \{q, 0, c\}, \{s, 0, \\
 & c\}, \{w, 0, c\}, \{\beta, 0, \pi / \\
 & 2\}
 \end{aligned}$$



... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

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... **General:** Further output of Power::infy will be suppressed during this calculation.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

... **General:** Further output of Infinity::indet will be suppressed during this calculation.

In[13]= `Manipulate[SphericalPlot3D[`

$$\begin{aligned}
 & - \left( (1.685165960131533 \cdot 10^{17} (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) \right. \\
 & \quad \left. (-1.7975103574736352 \cdot 10^{17} q + 1.7975103574736352 \cdot 10^{17} s) w^2 \cos[\beta] \sin[\beta] \right. \\
 & \quad \left. (-1.7975103574736352 \cdot 10^{17} w + 1.7975103574736352 \cdot 10^{17} w \sin[\beta]^2) \right) / \\
 & \left( \sqrt{q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2} (8.987551787368176 \cdot 10^{16} q^2 - \right. \\
 & \quad \left. 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \right.
 \end{aligned}$$

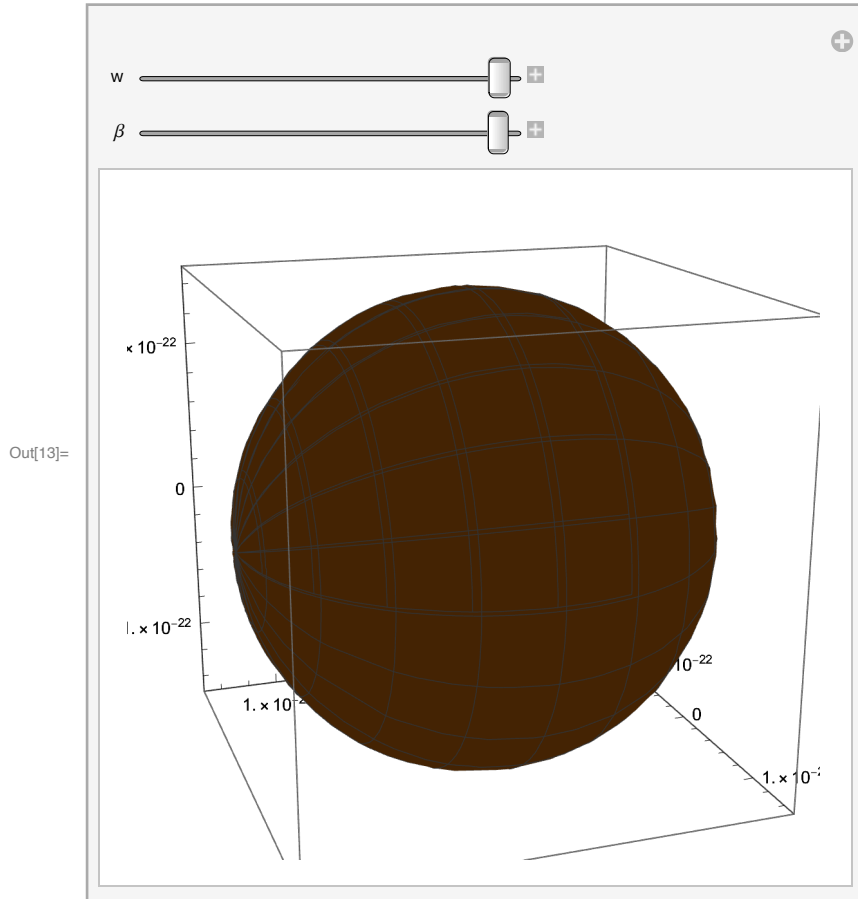
$$\begin{aligned}
& \left. \left( 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta] \right)^{7/2} \right) - \\
& \left( 3.370331920263066 \cdot 10^{16} (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) \right. \\
& \quad \left. (-1.7975103574736352 \cdot 10^{17} q + 1.7975103574736352 \cdot 10^{17} s) \right. \\
& \quad \left. w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin^2[\beta]) \right) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])^{5/2} \right) - \\
& \left( 3.370331920263066 \cdot 10^{16} (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) \right. \\
& \quad \left. (-2 \cdot q + 2 s) w^2 \cos[\beta] \sin[\beta] \right. \\
& \quad \left. (-1.7975103574736352 \cdot 10^{17} w + 1.7975103574736352 \cdot 10^{17} w \sin^2[\beta]) \right) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])^{5/2} \right) - \\
& \left( 3 (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) \right. \\
& \quad \left. (-1.7975103574736352 \cdot 10^{17} q + 1.7975103574736352 \cdot 10^{17} s) w^2 \cos[\beta] \sin[\beta] \right. \\
& \quad \left. (-1.7975103574736352 \cdot 10^{17} w + 1.7975103574736352 \cdot 10^{17} w \sin^2[\beta]) \right) / \\
& \left( 8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])^{5/2} \right) - \\
& \left( 3.370331920263066 \cdot 10^{16} (2 q - 2 \cdot s) (-1.7975103574736352 \cdot 10^{17} q + \right. \\
& \quad \left. 1.7975103574736352 \cdot 10^{17} s) w^2 \cos[\beta] \sin[\beta] \right. \\
& \quad \left. (-1.7975103574736352 \cdot 10^{17} w + 1.7975103574736352 \cdot 10^{17} w \sin^2[\beta]) \right) / \\
& \left( (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])^{5/2} \right) + \\
& \left( 1.3481327681052264 \cdot 10^{17} (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) \right. \\
& \quad \left. (-1.7975103574736352 \cdot 10^{17} q + 1.7975103574736352 \cdot 10^{17} s) w \cos[\beta] \sin[\beta] \right) / \\
& \left( \sqrt{q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta]} (8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& \quad \left. 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])^{5/2} \right) - \\
& \left( 1.2116413069593733 \cdot 10^{34} w^2 \cos[\beta] \sin[\beta] (-1.7975103574736352 \cdot 10^{17} w + \right. \\
& \quad \left. 1.7975103574736352 \cdot 10^{17} w \sin^2[\beta]) \right) / \\
& \left( \sqrt{q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta]} (8.987551787368176 \cdot 10^{16} q^2 - \right. \\
& \quad \left. 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \right.
\end{aligned}$$

$$\begin{aligned}
& 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin^2[\beta]^{5/2} - \\
& (3.370331920263066 \cdot (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& \quad (-2 \cdot q + 2s) w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2w \sin^2[\beta])) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin^2[\beta])^{3/2} \right) - \\
& (3 (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& \quad (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) \\
& \quad w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2w \sin^2[\beta])) / \\
& \left( 8 (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin^2[\beta])^{3/2} \right) - \\
& (3.370331920263066 \cdot (2q - 2 \cdot s) (-1.7975103574736352 \cdot q + \\
& \quad 1.7975103574736352 \cdot s) w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2w \sin^2[\beta])) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin^2[\beta])^{3/2} \right) - \\
& (3 (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) (-2 \cdot q + 2s) w^2 \cos[\beta] \\
& \quad \sin[\beta] (-1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin^2[\beta])) / \\
& \left( 8 (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin^2[\beta])^{3/2} \right) - \\
& (3.370331920263066 \cdot (2q - 2 \cdot s) (-2 \cdot q + 2s) w^2 \cos[\beta] \sin[\beta] \\
& \quad (-1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin^2[\beta])) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin^2[\beta])^{3/2} \right) - \\
& (3 (2q - 2 \cdot s) (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) w^2 \cos[\beta] \\
& \quad \sin[\beta] (-1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin^2[\beta])) / \\
& \left( 8 (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{5/2} (8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin^2[\beta])^{3/2} \right) + \\
& (4.493775893684088 \cdot (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \\
& \quad (-2 \cdot q + 2s) w \cos[\beta] \sin[\beta]) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{3/2} (8.987551787368176 \cdot q^2 - \right.
\end{aligned}$$

$$\begin{aligned}
& 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)^{3/2} + \\
& ((1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) \\
& (-1.7975103574736352 \cdot 10^{17} q + 1.7975103574736352 \cdot 10^{17} s) w \cos[\beta] \sin[\beta]) / \\
& (2 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \\
& 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)^{3/2} + \\
& (4.493775893684088 \cdot 10^{16} (2 q - 2 \cdot s) (-1.7975103574736352 \cdot 10^{17} q + \\
& 1.7975103574736352 \cdot 10^{17} s) w \cos[\beta] \sin[\beta]) / \\
& ((q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \\
& 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)^{3/2} - \\
& (4.038804356531245 \cdot 10^{33} w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& ((q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \\
& 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)^{3/2} - \\
& (8.987551787368176 \cdot 10^{16} w^2 \cos[\beta] \sin[\beta] (-1.7975103574736352 \cdot 10^{17} w + \\
& 1.7975103574736352 \cdot 10^{17} w \sin[\beta]^2)) / \\
& ((q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} (8.987551787368176 \cdot 10^{16} q^2 - \\
& 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)^{3/2} + \\
& (1.615521742612498 \cdot 10^{34} w \cos[\beta] \sin[\beta]) / (\sqrt{q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2} \\
& (8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + \\
& 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + \\
& 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)^{3/2}) - \\
& (15 (1.7975103574736352 \cdot 10^{17} q - 1.7975103574736352 \cdot 10^{17} s) (-2 \cdot q + 2 s) \\
& w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& (8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \\
& 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)}) - \\
& (1.685165960131533 \cdot 10^{17} (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w^2 \cos[\beta] \\
& \sin[\beta] (-2 \cdot w + 2 w \sin[\beta]^2)) / \\
& ((q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \\
& 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
& 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin[\beta]^2)}) -
\end{aligned}$$

$$\begin{aligned}
& \left( 15 (2q - 2 \cdot s) (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) \right. \\
& \quad \left. w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2w \sin[\beta]^2) \right) / \\
& \left( 8 (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)} \right) - \\
& \left( 15 (2q - 2 \cdot s) (-2 \cdot q + 2s) w^2 \cos[\beta] \sin[\beta] (-1.7975103574736352 \cdot w + \right. \\
& \quad \left. 1.7975103574736352 \cdot w \sin[\beta]^2) \right) / \\
& \left( 8 (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{7/2} \sqrt{(8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)} \right) + \\
& \left( 3 (1.7975103574736352 \cdot q - 1.7975103574736352 \cdot s) \right. \\
& \quad \left. (-2 \cdot q + 2s) w \cos[\beta] \sin[\beta] \right) / \\
& \left( 2 (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)} \right) + \\
& \left( 1.3481327681052264 \cdot (2q - 2 \cdot s) (-2 \cdot q + 2s) w \cos[\beta] \sin[\beta] \right) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)} \right) + \\
& \left( 3 (2q - 2 \cdot s) (-1.7975103574736352 \cdot q + 1.7975103574736352 \cdot s) \right. \\
& \quad \left. w \cos[\beta] \sin[\beta] \right) / \\
& \left( 2 (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)} \right) - \\
& \left( 2.6962655362104528 \cdot w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2w \sin[\beta]^2) \right) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \right. \\
& \quad \left. \sqrt{(8.987551787368176 \cdot q^2 - 1.7975103574736352 \cdot qs + \right. \\
& \quad 8.987551787368176 \cdot s^2 - 8.987551787368176 \cdot w^2 + \\
& \quad \left. 8.987551787368176 \cdot w^2 \sin[\beta]^2)} \right) - (1.5 \cdot w^2 \cos[\beta] \sin[\beta] \\
& \quad (-1.7975103574736352 \cdot w + 1.7975103574736352 \cdot w \sin[\beta]^2)) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{5/2} \sqrt{(8.987551787368176 \cdot q^2 - \right. \\
& \quad 1.7975103574736352 \cdot qs + 8.987551787368176 \cdot s^2 - \\
& \quad \left. 8.987551787368176 \cdot w^2 + 8.987551787368176 \cdot w^2 \sin[\beta]^2)} \right) + \\
& \left( 3.5950207149472704 \cdot w \cos[\beta] \sin[\beta] \right) / \\
& \left( (q^2 - 2 \cdot qs + s^2 - 1 \cdot w^2 + w^2 \sin[\beta]^2)^{3/2} \sqrt{(8.987551787368176 \cdot q^2 - \right.
\end{aligned}$$

$$\begin{aligned}
 & 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
 & 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta] \Big) + \\
 & (105 (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w^2 \cos[\beta] \sin[\beta] (-2 \cdot w + 2 w \sin^2[\beta]) \\
 & \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + \\
 & 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + \\
 & 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])}) / \\
 & (8 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{9/2}) - \\
 & (15 (2 q - 2 \cdot s) (-2 \cdot q + 2 s) w \cos[\beta] \sin[\beta] \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - \\
 & 1.7975103574736352 \cdot 10^{17} q s + 8.987551787368176 \cdot 10^{16} s^2 - \\
 & 8.987551787368176 \cdot 10^{16} w^2 + 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])}) / \\
 & (2 (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{7/2}) + (7.5 \cdot w^2 \cos[\beta] \sin[\beta] \\
 & (-2 \cdot w + 2 w \sin^2[\beta]) \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + \\
 & 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + \\
 & 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])}) / (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{7/2} - \\
 & (6 \cdot w \cos[\beta] \sin[\beta] \sqrt{(8.987551787368176 \cdot 10^{16} q^2 - 1.7975103574736352 \cdot 10^{17} q s + \\
 & 8.987551787368176 \cdot 10^{16} s^2 - 8.987551787368176 \cdot 10^{16} w^2 + \\
 & 8.987551787368176 \cdot 10^{16} w^2 \sin^2[\beta])}) / \\
 & (q^2 - 2 \cdot q s + s^2 - 1 \cdot w^2 + w^2 \sin^2[\beta])^{5/2}, \{q, 0, 5\}, \{s, 0, \\
 & 5\}, \{w, 0, c\}, \{\beta, 0, \pi / \\
 & 2\}
 \end{aligned}$$



... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

... **Infinity:** Indeterminate expression 0. ComplexInfinity encountered.

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... **General:** Further output of Power::infy will be suppressed during this calculation.

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... **General:** Further output of Infinity::indet will be suppressed during this calculation.

... **Power:** Infinite expression  $\frac{1}{0}$  encountered.

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In[14]:= **w := l α**