SPHERE OF REALIZATION

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Sphere of Realization Table of Contents:

The Sphere of Realization : The Mathematical Path of Harmonious Being

1. Step-by-step Solutions to the Phenomenological Velocity (V-Curvature) Equation and Discourse on the V-Curvature Method and Energy As Boundaries

From The Cone of Perception, volume one of my collected works, you will remember that one of the main topics in that work was V-Curvature, also called, “phenomenological velocity.” In that work, although a solution to the v - curvature variable was provided as well as many graphs that yielded numerous jewels of spiral formulations in exquisite 3D color formations, that method by which the solution was found was not iterated. This chapter begins by showing how it is possible to solve for something that ideally ought cancel out with itself and how, although commutation between square roots is valid, there may be room here for an alternate route of accessing ***a hidden dimension*** - *that dimension we call* ***V-Curvature, or, “Phenomenological Velocity****.”* Herein is provided the pathway for solving for V-Curvature in terms of Csc, which can be translated into Sin and Cos functionality. Furthermore, the processing these equations through WolframAlpha yielded other insights into limits, roots, and series that logically follow.

How did the solutions to the, "velocity," v - variable curvature in the Lorentz coefficient, **“manifest,”** when the Lorentz coefficient ought cancel out with itself? The step - by - step solution below illustrates the algebraic process by which a specific solution for something that ought cancel out with itself can be found.

A) Deriving the Cosecant Formulation:

Solve for v:

$$r\sin(\beta) = \frac{\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}}\;\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\;\sqrt{4\pi r - r\theta}}{2\pi}$$

Reverse the equality in

$$r\sin(\beta) = \frac{1}{2\pi}\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}}\;\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\;\sqrt{4\pi r - r\theta}$$

in order to isolate v to the left hand side.

$$r\sin(\beta) = \frac{\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}}\;\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\;\sqrt{4\pi r - r\theta}}{2\pi}$$ is

equivalent to $$\frac{\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}}\;\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\;\sqrt{4\pi r - r\theta}}{2\pi}$$

$r\sin(\beta)$:

$$\frac{\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}}\;\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\;\sqrt{4\pi r - r\theta}}{2\pi} = r\sin(\beta)$$

Divide both sides by a constant to simplify the equation.

Divide both sides by $\frac{\sqrt{4\pi r - r\theta}}{2\pi}$:

$$\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}}\;\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}} = \frac{2\pi r\sin(\beta)}{\sqrt{4\pi r - r\theta}}$$

Isolate a radical to the left hand side.

Divide both sides by $\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}$:

$$\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}} = \frac{2.09585\times10^{-8}\,r\sin(\beta)}{\sqrt{r\,(4\pi-\theta)}\,\sqrt{-\frac{\theta\sqrt{1-1.11265\times10^{-17}\,v^2}}{1\,v^2-89\,875\,517\,873\,681\,760}}}$$

Eliminate the square root on the left hand side.

Raise both sides to the power of two:

$$r\sqrt{1-1.11265\times10^{-17}\,v^2} = \left\{-\frac{4.39257\times10^{-16}\,r\sin^2(\beta)\left(v^2-89\,875\,517\,873\,681\,760\right)}{\theta\sqrt{1-1.11265\times10^{-17}\,v^2}\;(4\pi-\theta)}\right.$$

Multiply both sides by an expression with respect to *v* to clear fractions.

Cross multiply:

$$r\,\theta\left(1-1.11265\times10^{-17}\,v^2\right)(4\pi-\theta) = -4.39257\times10^{-16}\,r\sin^2(\beta)\left(v^2-89\,875\,517\,873\,681\,760\right)$$

Write the quadratic polynomial
on the left hand side in standard form.

Expand and collect in terms of v:

$$4\,\pi\,r\,\theta - r\,\theta^2 = -4.39257\times 10^{-16}\,r\,\sin^2(\beta)\left(v^2 - 89\,875\,517\,873\,681\,760\right)$$

Reverse the equality in $4\,\pi\,r\,\theta - r\,\theta^2 = -4.39257\times 10^{-16}\,r\left(v^2 - 89\,875\,517\,873\,681\,760\right)\sin^2(\beta)$
in order to isolate v to the left hand side.

$4\,\pi\,r\,\theta - r\,\theta^2 = -4.39257\times 10^{-16}\,r\left(v^2 - 89\,875\,517\,873\,681\,760\right)\sin^2(\beta)$ is equivalent to $-4.39257\times 10^{-16}\,r\left(v^2 - 89\,875\,517\,873\,681\,760\right)\sin^2(\beta) = 4\,\pi\,r\,\theta - r\,\theta^2$:

$$-4.39257\times 10^{-16}\,r\,\sin^2(\beta)\left(v^2 - 89\,875\,517\,873\,681\,760\right) = 4\,\pi\,r\,\theta - r\,\theta^2$$

Divide both sides by a constant to simplify the equation.

Divide both sides by $-4.39257\times 10^{-16}\,r\,\sin^2(\beta)$:

$$v^2 - 89\,875\,517\,873\,681\,760 = 2\,276\,573\,462\,857\,380\,\theta^2\,\csc^2(\beta) - 28\,608\,265\,865\,080\,888\,\theta\,\csc^2(\beta)$$

Isolate terms with v to the left hand side.

Add 89 875 517 873 681 760 to both sides:

$$v^2 = 89\,875\,517\,873\,681\,760 - 28\,608\,265\,865\,080\,888\,\theta\,\csc^2(\beta) + 2\,276\,573\,462\,857\,380\,\theta^2\,\csc^2(\beta)$$

Eliminate the exponent on the left hand side.

Take the square root of both sides:

Answer:

$$v = \sqrt{\left(89\,875\,517\,873\,681\,760 - 28\,608\,265\,865\,080\,888\,\theta\,\csc^2(\beta) + 2\,276\,573\,462\,857\,380\,\theta^2\,\csc^2(\beta)\right)} \text{ or}$$
$$v = -\sqrt{\left(89\,875\,517\,873\,681\,760 - 28\,608\,265\,865\,080\,888\,\theta\,\csc^2(\beta) + 2\,276\,573\,462\,857\,380\,\theta^2\,\csc^2(\beta)\right)}$$

Once more, I'd like to re - emphasize that this process does not designate truth absolutely or falsity, rather, it provides a **UTILITY** for application to a realm of different equations including mainstream quantum mechanical equations.

B) Limits :

$$\lim_{\theta\to\pm\infty} \left(\sqrt{\left(-1\,129\,409\,066\,758\,147\,072\,\theta + 89\,875\,517\,873\,681\,760\,\theta^2 + 3\,548\,143\,227\,025\,099\,264\,\sin^2\left(\sqrt{-12.5664\,\theta + \theta^2 + 39.4784\,\sin^2(\beta)}\right)\right)} = 2.99792\times10^8\right)$$

C) Roots : Here we see an interesting insight into the nature of energy. There are certain functions that WILL NOT equal zero within this system. It is also highly relevant as we continue on through the next chapter, which outlines the equation map, because we will see how this, "method," also referred to as "tantra," or tapestry, which I find to be an appropriate analogy, can be applied to all the subsequent V-curvature solutions of the varying modes of structural equations. Patternizing of equations allows the observer to see things from different perspectives of equality within a broader framework of, "what is real," in which time (at least how we conceive of it) is not a good description of a parameter in reality, as non-linear, non-

circular differentials and progressions are referred to in terms of the alternations of their arrangements of logical inter-weaving (as a valid mode of perceiving the world). This topic will be discussed in more detail as we progress.

However, it would be pertinent to note at this juncture that the inability of an expression within the system to equal zero presents a new way of understanding an attribute of energy. For instance, it may be analogous to the fact that entropy of a system can never get to zero (because of the hyperbolic amount of work it takes), which would mean that it provides a new introspection into a derivation of this principle.

Input interpretation:

$$v = \left(\sqrt{(3\,548\,143\,227\,025\,099\,264 \sin^2(\beta) + 89\,875\,517\,873\,681\,760\,\theta^2 - 1\,129\,409\,066\,758\,147\,072\,\theta)}\right) \Big/ \left(\sqrt{39.4784 \sin^2(\beta) + \theta^2 + \theta \times (-12.5664)}\right)$$

Result:

$$v = \left(\sqrt{(3\,548\,143\,227\,025\,099\,264 \sin^2(\beta) + 89\,875\,517\,873\,681\,760\,\theta^2 - 1\,129\,409\,066\,758\,147\,072\,\theta)}\right) \Big/ \left(\sqrt{39.4784 \sin^2(\beta) + \theta^2 - 12.5664\,\theta}\right)$$

Enlarge | Data | Customize | Plaintext | Interactive

Roots:

$$\sqrt{\left(-8.67927 \times 10^{27} \sin^2(\beta) - 2.06332 \times 10^{13} \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31} \sin^2(\beta)} - 9.10286 \times 10^{28}\right)} \neq 0,$$

$$\theta \approx 3.56048 \times 10^{-16}\left(4. \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31} \sin^2(\beta)} + 1.7647 \times 10^{16}\right)$$

$$\sqrt{\left(-8.67927 \times 10^{27} \sin^2(\beta) + 2.06332 \times 10^{13} \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31} \sin^2(\beta)} - 9.10286 \times 10^{28}\right)} \neq 0,$$

$$\theta \approx 3.56048 \times 10^{-16}\left(1.7647 \times 10^{16} - 4. \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31} \sin^2(\beta)}\right)$$

```
Reduce[
  (4 Sqrt[2 θ (-35 294 033 336 192 096 + 2 808 609 933 552 555 θ) + 221 758 951 689 068 704
        Sin[β]^2]) / Sqrt[(-12.5664 + θ) θ + 39.4784 Sin[β]^2] == 0, {β, θ}]
```

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

$$\left(-9.10286 \times 10^{28} - 8.67927 \times 10^{27}\, \text{Sin}[\beta]^2 + 2.06332 \times 10^{13} \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31}\, \text{Sin}[\beta]^2} \neq 0 \;\&\&\; \theta == -1.42419 \times 10^{-15}\left(-4.41175 \times 10^{15} + \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31}\, \text{Sin}[\beta]^2}\right)\right) ||$$

$$\left(9.10286 \times 10^{28} + 8.67927 \times 10^{27}\, \text{Sin}[\beta]^2 + 2.06332 \times 10^{13} \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31}\, \text{Sin}[\beta]^2} \neq 0 \;\&\&\; \theta == 1.42419 \times 10^{-15}\left(4.41175 \times 10^{15} + \sqrt{1.94636 \times 10^{31} - 1.94636 \times 10^{31}\, \text{Sin}[\beta]^2}\right)\right)$$

Physicists in the modern era have assumed that mass is a real phenomenon, and have based all their formulations upon this concept. However functional the postulate of mass's, "being," is, it is still an assumption on its face without parametric definition. Just because a theory works, does not mean it' s technically correct. This is an important distinction, because if science does not recognize this, it will eventually hit a wall of progress. Does one actually perceive a mass? Or has one inferred that a concept of mass must exist as the basis of reality, and if so, "on what notion was this inference based?" In, “The Cone of Perception,” the **Geometric Pattern of Perception Theorems** based their functionality of describing the motion of and perceived being of, "objects," in the world through pure algebra and geometry of the transformation of ideal shapes. Through perceiving and describing these transformations phenomenologically, we can extract a plentitude of equations describing transformation and motion (perhaps as definitions of what is commonly referred to as spatio-temporality, though it is probably as good a term as mass), which act as articulation of perceived phenomena of transformation and motion and may suffice for explaining curvature of, “space-time,” relating with gravity, including the curvature perceived as correlating with *dark matter.* However, again I would iterate that space-time not effective terminology. Instead, we simply use concepts of ***distance, angles, dimensionality, constraints, zero, null-set, infinity, imaginary, virtual and V-Curvature.*** Therefore, by redefining the linguistic terminology, physics will have a better philosophical foundation from which to proceed.

You can say, "we know that the characteristics of this system and these constraints on the nature of zero, infinity, energy, etc. and reality are close to this equation," but that is philosophically distinct and semantically different than saying that you understand any aspect of the phenomenon of energy, because you have derived, this or that equation that seems to match a perceived phenomenon. If the very definition of your variables are philosophically incorrect, that only compounds the problem of forming an accurate picture of reality, because remember, correlation is not causation.

People speak of Energy to describe the phenomenon of that which is neither created nor destroyed, but really, all that is needed to describe that phenomenon is contained within the, "phenomenological velocity," equation, also known as V - Curvature, since it' s not really even necessary to consider it velocity. We have a wave equation within the fabric of perceived reality, the expressions of which were derived from the most basic, fundamental ideal forms, that never equals zero, meaning it most likely never began, and it certainly will never end (or it can' t be created, and it can' t be destroyed). From this (loose) definition of Energy, we now have a theoretical "mass-energy," relation, if we still need to cling to the concepts of mass and energy.

The principle of drawing analogies and syllogisms between forms, equations, structures and present day physics ideas will help replace/repair the equations where there is outdated conceptual infrastructure in linguistic forms of modern physics.

Furthermore, with the realization that something can cancel out with itself, but also have a very specific solution that is non - trivial, beautiful and useful, we find a new, linguistic tool for absolving concepts of duality, being and not being, acting upon and not acting upon, etc. Furthermore, with the acquisition of solutions to equations that number 3, 4, 5, 7, 10, etc. we realize that there are not necessarily always only a positive and negative series of solutions, but rather an intricate, higher dimensional web of possible solutions, yielding analogies to the multi - armed forms of Hinduism and Buddhism.

- We will investigate the expressions of infinity and see if we can find a form in which the geometric components and constituents have not disintegrated at the locality where infinity

ought be reached; in essence searching for a linguistic structure for discussing the emerging meaning of infinity. Indeed, we will postulate that there really are no directions save your imagination or conceptualization, and rather, the direction, in actuality, means looking at varying meanings of, toward or away from infinitude and looking from them once they are revealed, all from within the being of an individual.

2. Map of Equations: Differential Combinations and Methods

- θ z = r α - x δ : An arc length of given angle and radius equals the difference between two different arc lengths, each with different radius and angle.
  - θ z = r α - x α : An arc length of given angle and radius equals the difference between two different arc lengths, each with different radius, but same angle.
    - Other Combinations of **Equation Forms** in which the subtrahend and minuend maintain different radii but same angle:
    - θ z = 2 π r - 2 π x, where $\alpha = 2\pi$, and z is left as a variable.
    - θ r = 2 π r - 2 π x, where $\alpha = 2\pi$, and z is fixed to the value of r.
    - γ x = 2 π r - 2 π x, where $\alpha = 2\pi$, and z is fixed to the value of x, the smaller circle, and γ is used to differentiate from θ.
    - 2π r = α r - α x, where
  - z θ = r α - r δ : An arc length of given angle and radius equals the difference between two different arc lengths, each with same radius, but different angle.
    - Other Combinations of **Forms**:
    - 2 π r = θ r - γ r:
    - 2 π r = γ r - θ r:
    - 2 π r = γ x - θ x:
    - 2 π r = γ x - θ x:

The V - Curvature Solutions resulting from application of the v - curvature method to the height solution of each equation yields a different configuration/format of V - Curvature. So, from this concept, a number of questions arise. What forms, both geometrically and algebraically, are produced through the equating of v - curvatures resulting from different, "origin," equations? What are the implications to veracity from this procedure? How can we reverse engineer V-Curvature equalities to simpler expressions of angular differentials? Also, under what circumstances is it permissible within logical and reasonable formulations and configurations to equate v - curvatures of different difference equations to begin with, and in what ways is it more or less, "accurate," or, "valid," to leave variables floating or constrained with respect to an interdimensional reference frame?

Perhaps it is best to study V - Curvature Method and prime to better outline exactly what we mean by the V - Curvature Method.

Oneness, the great concept in Man' s search for ultimate esoteric meanings in the mystery schools of enlightenment throughout history, has now been shown to actually be, plainly and

simply, an incredibly useful method by which the interwoven, higher dimensional, interlocking patterns of reality can be be revealed and expounded upon mathematically. For example, just consider how literally, the number one was algebraically expressed, inserted, factored out or otherwise implemented/used to yield equations of 10, 14, and embedded dimensionality in The Cone of Perception. Thus, this can be considered a method to reveal interwoven patterns of reality, which unveils the relationship of tapestry and method within the term, “tantra.”

What is reverse? What is opposite? What has been reversed? What has been opposed?

If one postulates that they/you/I exist, or even that one exists, does it stand to reason that there is at least the possibility to no longer exist? The Taoist might argue that to be true. However, actually, this is not necessarily the case. The mode of opposition is linguistically and philosophically improper, because negatives have no evidence of actually existing except in the credit markets of course. You can' t offer someone a cookie you don' t have. However, when you speak of, "opposition," you may actually be considering a re - arrangement of meanings to create a juxtaposition, which take many different forms. Also, the job a philosopher is not necessarily to make people come up with a conclusion exactly as the philosopher would so desire, but rather to encourage discussion and contemplation of interesting topics for people to draw their own conclusions and insights through suggested methods or, “tantra.”

The V – Curvature Solutions resulting from application of the v – curvature method to the height solution

V – Curvature Method and prime. What is the V – Curvature Method ?

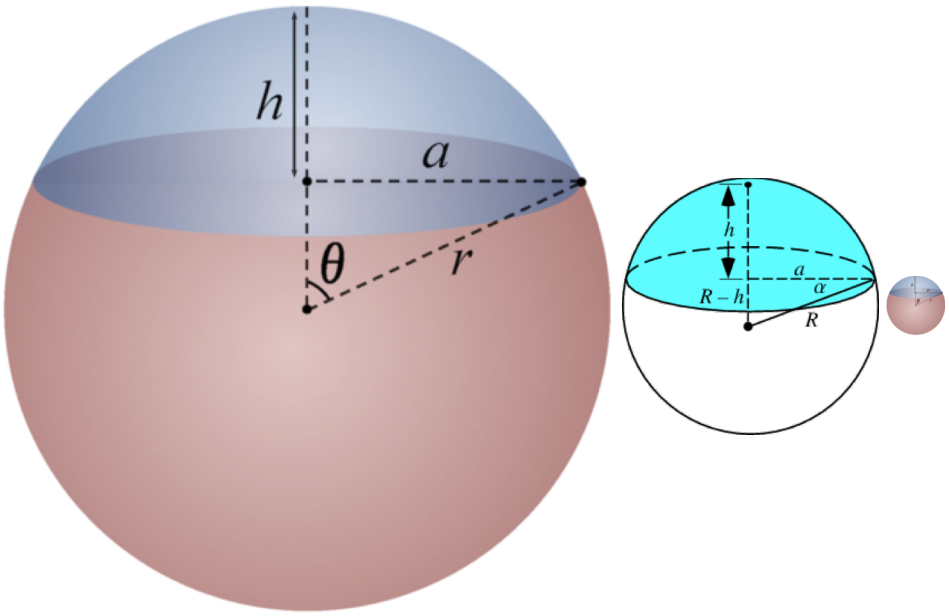
3. New Statements on Philosophy

Introduction :

The only way to, "escape the matrix," is to define who you are and bend the matrix to you. Arguing over whether we are or are not in a simulation may be pointless, because if we are in a simulation, then it stands to reason it is a copy in some way of the original reality, but if you were in a copy, you' d be fully immersed in a copy and not know that you were in a copy, because you'd have nothing to compare it to, because you' d never have seen the original. So much of what we believe technology makes real is actually only make-believe, and really, our imagination is closer to reality.

The reason to not do drugs to attain states of higher awareness as a regular thing is to know that you can get there (to a state of realization, mental illumination and insight) quickly with drugs, but isn’ t it more interesting to watch something build itself, and in the case of drugs vs. meditation, that, “thing,” is realization or insight into the true nature of reality, even virtual reality. Similarly, to do your duty and practice the dharma assures that your karma will be good rather than seeking after good karma. Let things occur naturally by practicing the way of insight and self realization to your full potential for the purpose of articulating the nature of consciousness and expanding your own awareness of reality.

4. Difference between Surface Areas of Two Spheres




```
Solve[4 π r^2 - 4 π (x)^2 == π (π (2 π r^2 (1 - Cos[θ]))), r]
```

$$\left\{\left\{r \to -\frac{\sqrt{2}\ x}{\sqrt{2 - \pi^2 + \pi^2\ \text{Cos}[\theta]}}\right\}, \left\{r \to \frac{\sqrt{2}\ x}{\sqrt{2 - \pi^2 + \pi^2\ \text{Cos}[\theta]}}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (x)^2 == π (a^2 + h^2), r]
```

$$\left\{\left\{r \to -\frac{1}{2}\sqrt{a^2 + h^2 + 4\ x^2}\right\}, \left\{r \to \frac{1}{2}\sqrt{a^2 + h^2 + 4\ x^2}\right\}\right\}$$

Equating this result with radius solution from, "The Cone of Perception," (Emmerson, 2009 - 2014) yields an interesting symmetry and potentially useful platform for wafer design.

In[•]:=
```
Manipulate[SphericalPlot3D[{-(i Sqrt[a^2 + h^2] (2 π - θ))/(Sqrt[θ] Sqrt[-16 π + 4 θ]), (i Sqrt[a^2 + h^2] (2 π - θ))/(Sqrt[θ] Sqrt[-16 π + 4 θ])}, {a, -1, 1},
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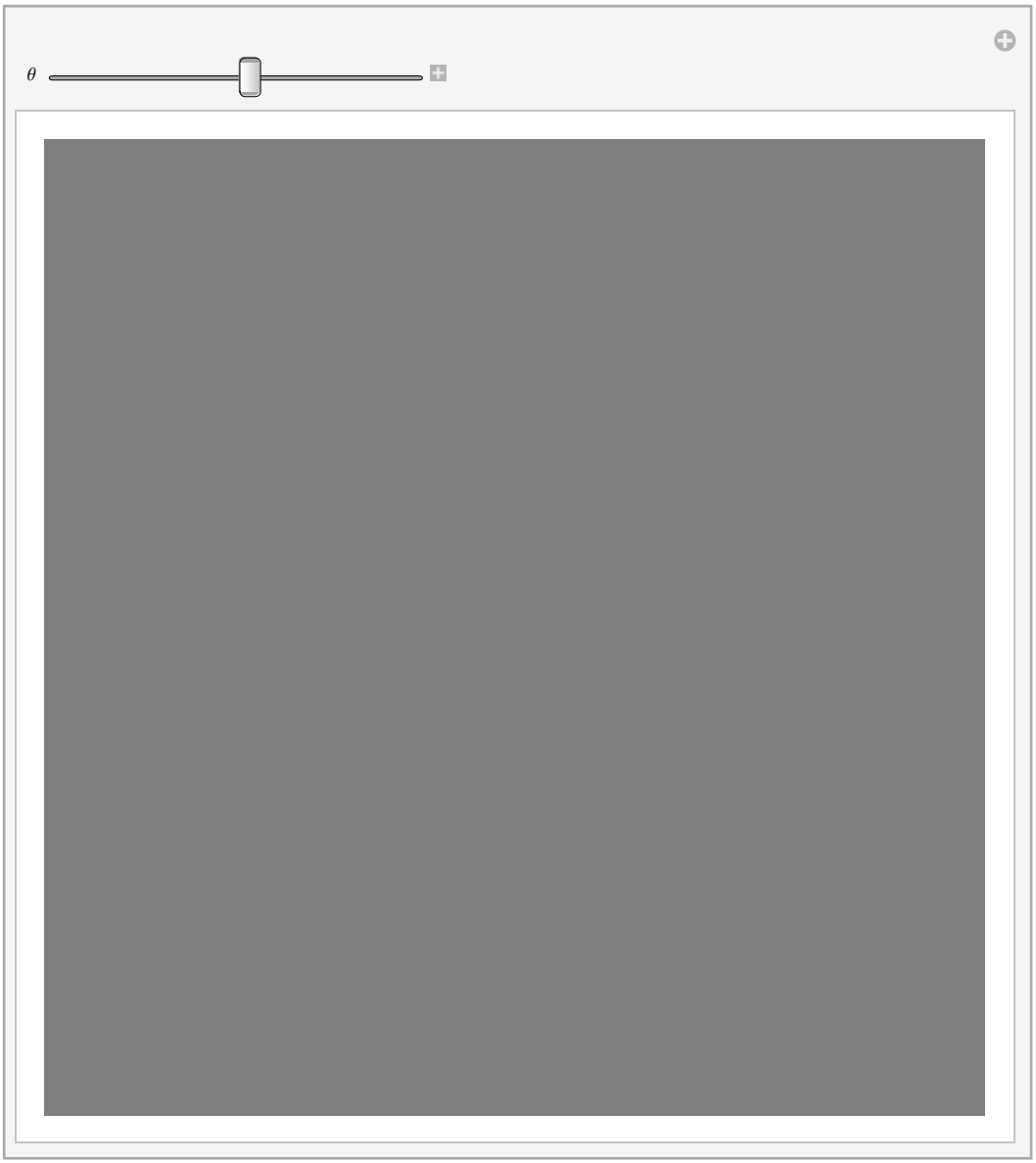
Out[•]=



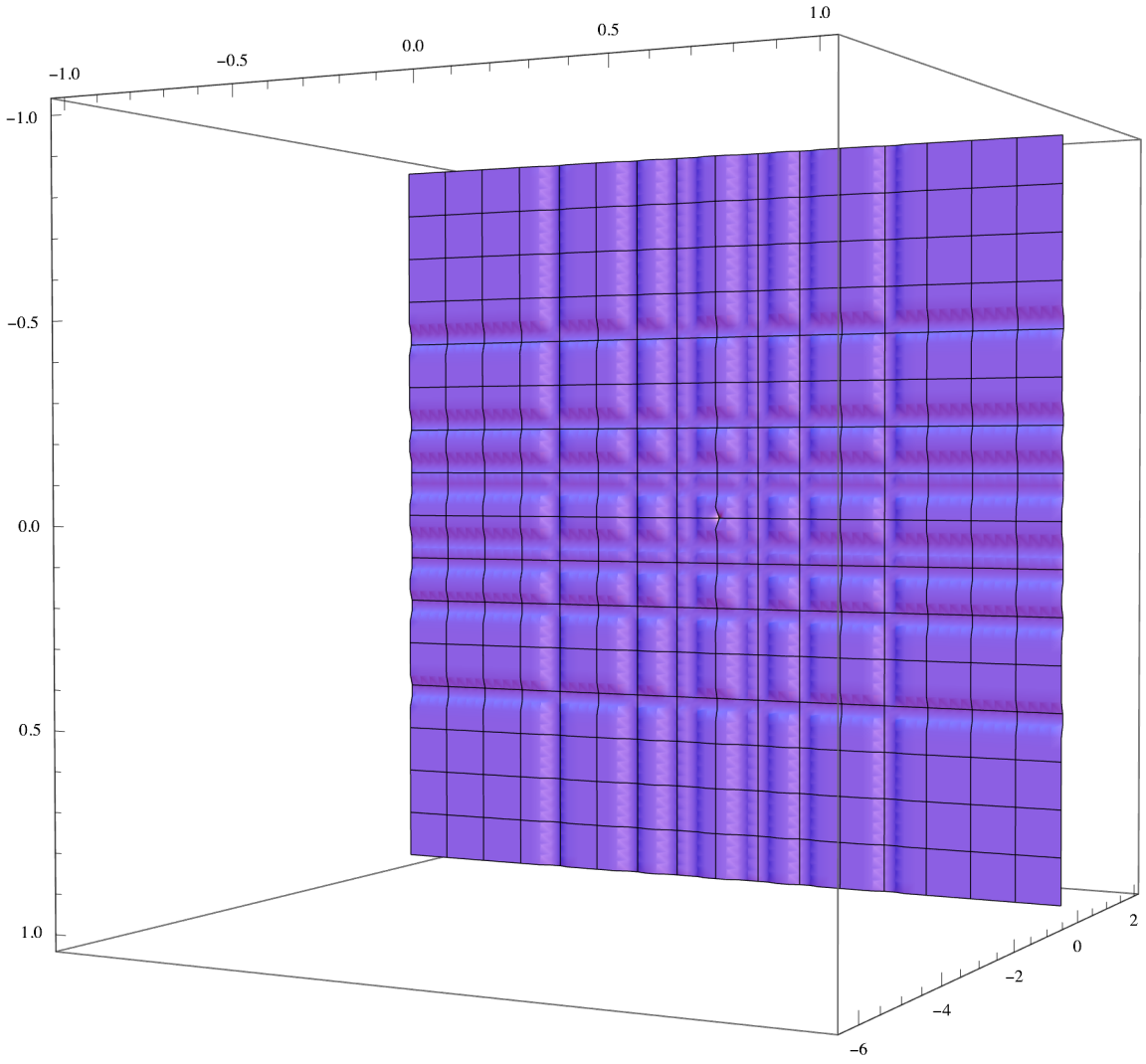
Power: Infinite expression $\frac{1}{0}$ encountered.

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

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

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

$$\text{ContourPlot3D}\left[\left\{-\frac{i\sqrt{a^2+h^2}\ (2\pi-\theta)}{\sqrt{\theta}\ \sqrt{-16\pi+4\theta}},\ \frac{i\sqrt{a^2+h^2}\ (2\pi-\theta)}{\sqrt{\theta}\ \sqrt{-16\pi+4\theta}}\right\},\ \{a,-1,1\},\ \{h,-1,1\},\ \{\theta,-2\pi,2\},\ \text{PlotTheme}\to\{\text{"Classic"},\text{"ClassicLights"}\}\right]$$



```
ContourPlot3D[ i Sqrt[a^2 + h^2] (2 π - θ) / (Sqrt[θ] Sqrt[-16 π + 4 θ]), {a, -1, 1}, {h, -1, 1},
 {θ, -2 π, 2}, PlotTheme → {"Classic", "ClassicLights"}]
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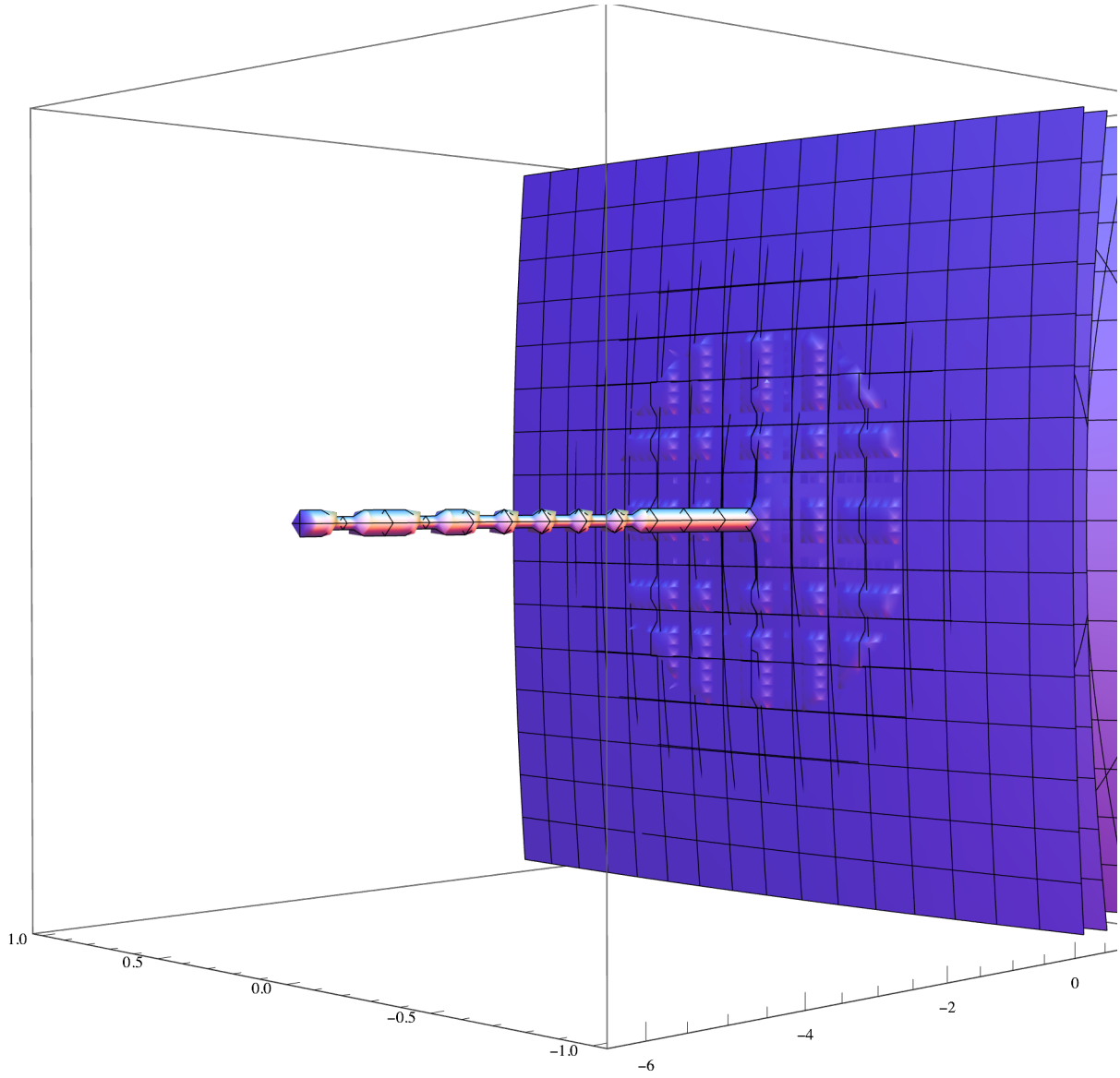
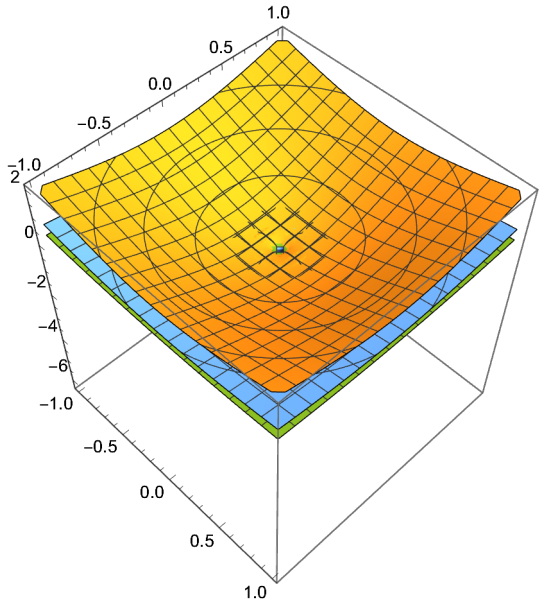
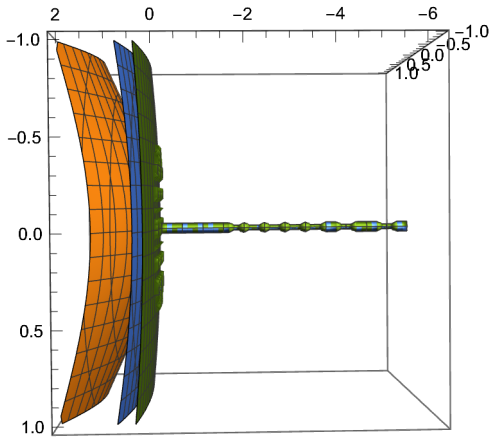






Further interesting solutions can be deduced :

$$\text{Solve}\left[\frac{2\,\pi\,x}{2\,\pi-\theta} == \frac{1}{2}\,\sqrt{a^2+h^2+4\,x^2}\,,\ h\right]$$

$$\left\{\left\{h \to -\frac{i\,\sqrt{4\,a^2\,\pi^2-4\,a^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+a^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\},\right.$$

$$\left.\left\{h \to \frac{i\,\sqrt{4\,a^2\,\pi^2-4\,a^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+a^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\}\right\}$$

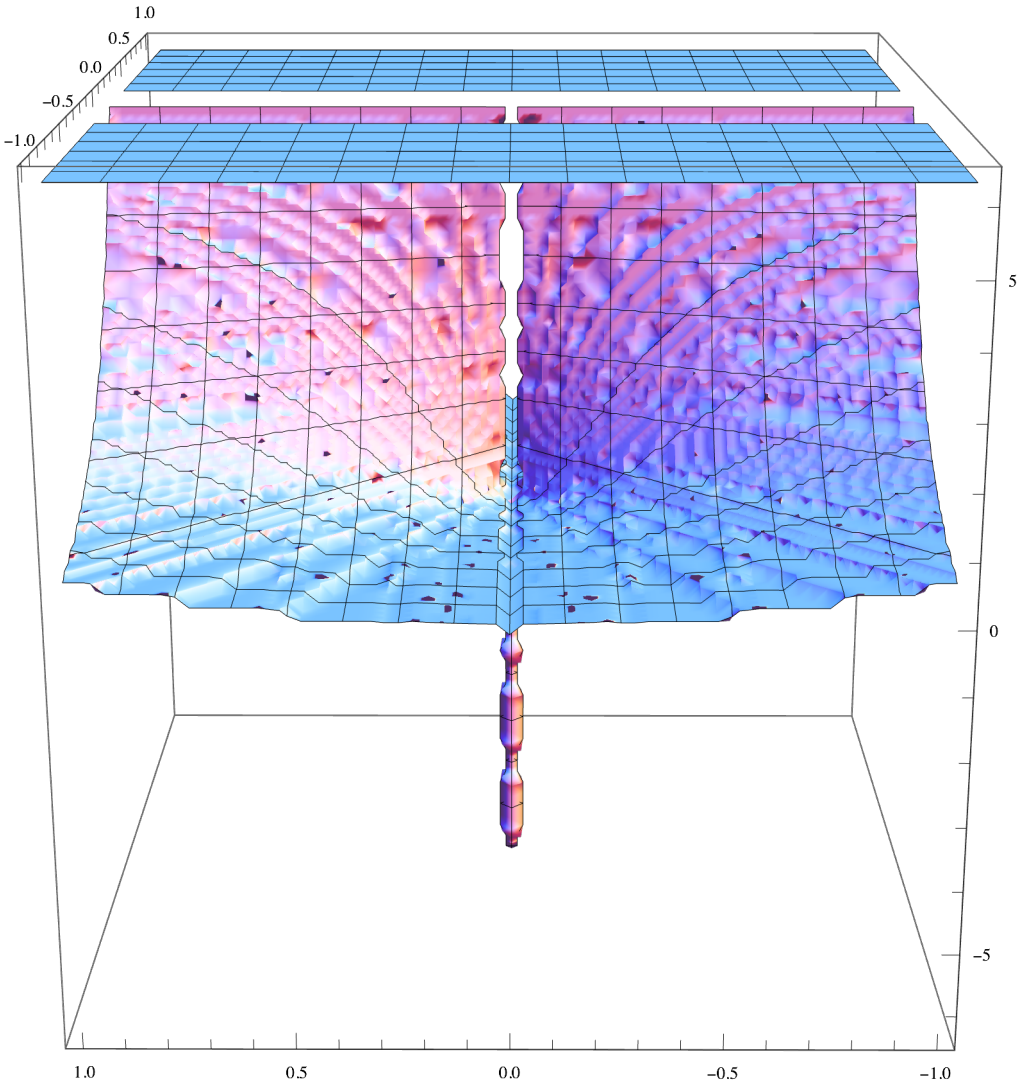
$$\text{Solve}\left[\frac{2\,\pi\,x}{2\,\pi-\theta} == \frac{1}{2}\,\sqrt{a^2+h^2+4\,x^2}\,,\ a\right]$$

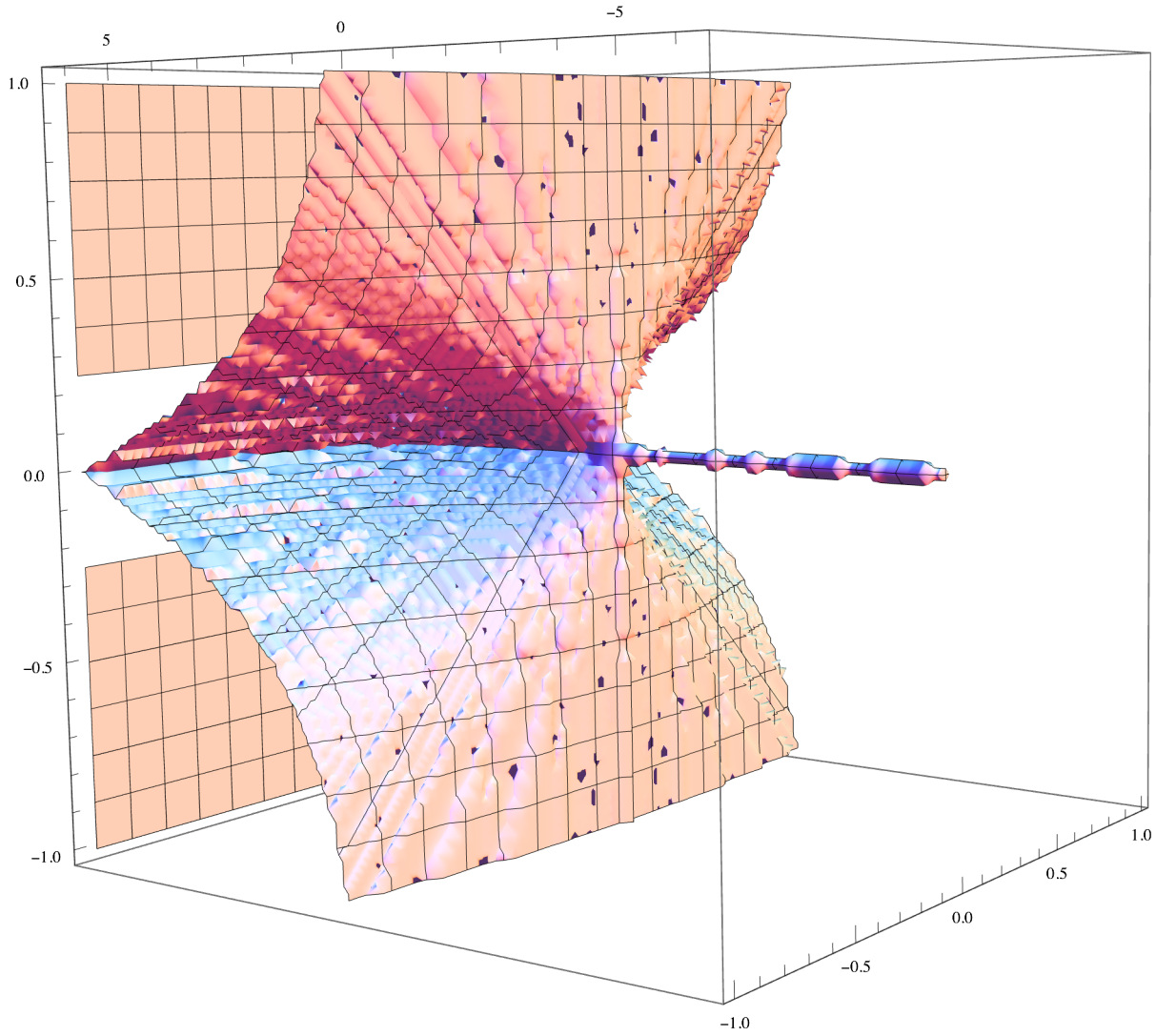
$$\left\{\left\{a \to -\frac{i\,\sqrt{4\,h^2\,\pi^2-4\,h^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+h^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\},\right.$$
$$\left.\left\{a \to \frac{i\,\sqrt{4\,h^2\,\pi^2-4\,h^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+h^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\}\right\}$$

$$\text{Solve}\left[\frac{2\,\pi\,x}{2\,\pi-\theta} == \frac{1}{2}\,\sqrt{a^2+h^2+4\,x^2}\,,\ \theta\right]$$

$$\left\{\left\{\theta \to 2\,\pi\left(1-\frac{2\,x}{\sqrt{a^2+h^2+4\,x^2}}\right)\right\}\right\}$$

$$\text{ContourPlot3D}\left[\frac{i\,\sqrt{4\,a^2\,\pi^2-4\,a^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+a^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta},\ \{x,\,-1,\,1\},\right.$$
$$\left.\{a,\,-1,\,1\},\ \{\theta,\,-2\,\pi,\,2\,\pi\},\ \text{PlotTheme} \to \{\text{"Classic"},\ \text{"ClassicLights"}\}\right]$$




5
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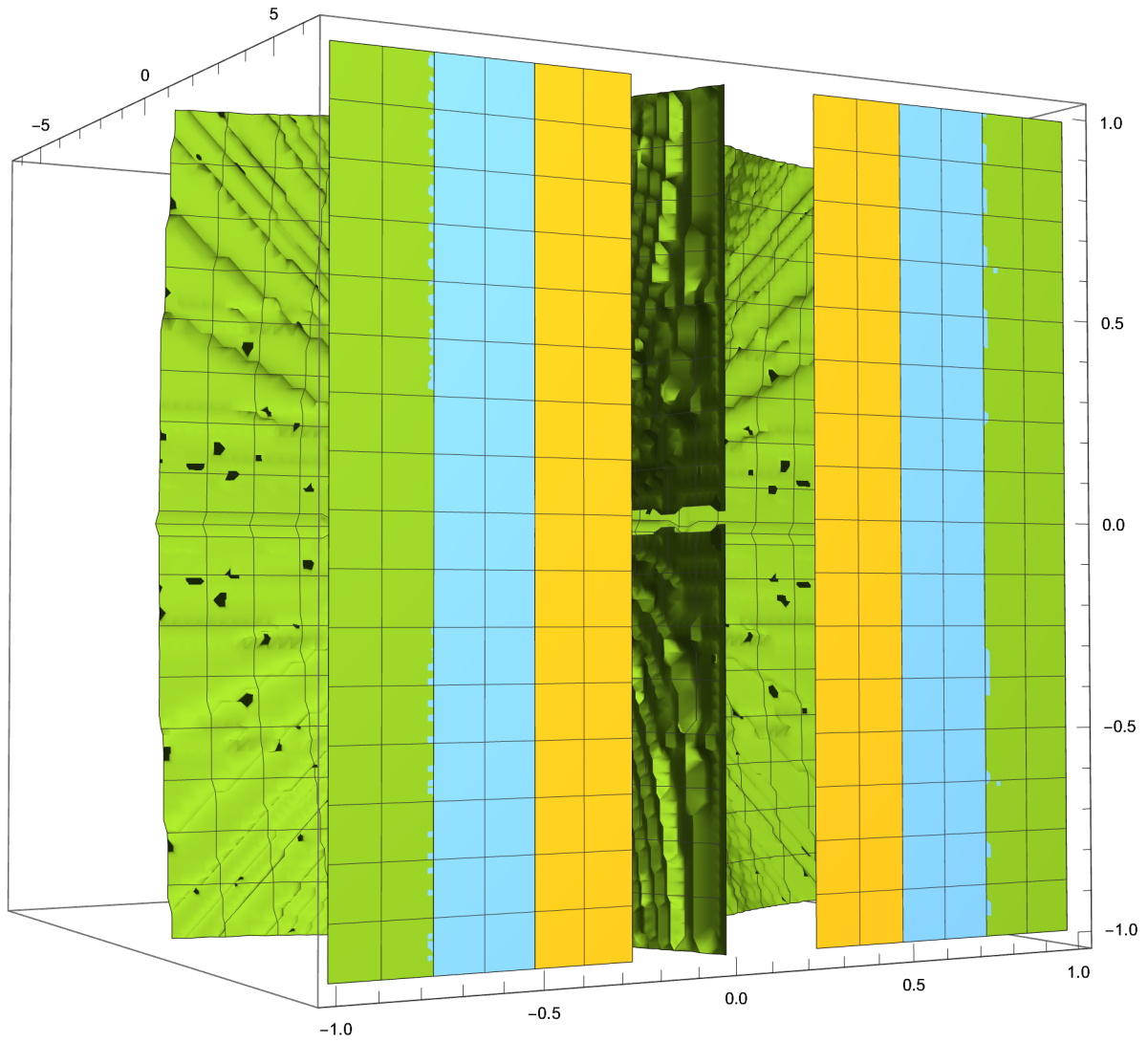



```
Solve[4 π r^2 - 4 π (r - a)^2 == π (a^2 + h^2), r]
```

$$\left\{\left\{r \to \frac{5\,a^2 + h^2}{8\,a}\right\}\right\}$$

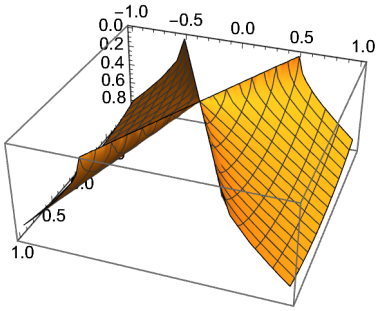
```
Solve[4 π r^2 - 4 π (r - a)^2 == π (a^2 + h^2), a]
```

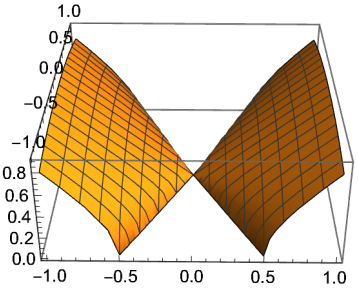
$$\left\{\left\{a \to \frac{1}{5}\left(4\,r - \sqrt{-5\,h^2 + 16\,r^2}\right)\right\}, \left\{a \to \frac{1}{5}\left(4\,r + \sqrt{-5\,h^2 + 16\,r^2}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (a)^2 == π (a^2 + h^2), a]
```

$$\left\{\left\{a \to -\frac{\sqrt{-h^2 + 4\,r^2}}{\sqrt{5}}\right\}, \left\{a \to \frac{\sqrt{-h^2 + 4\,r^2}}{\sqrt{5}}\right\}\right\}$$

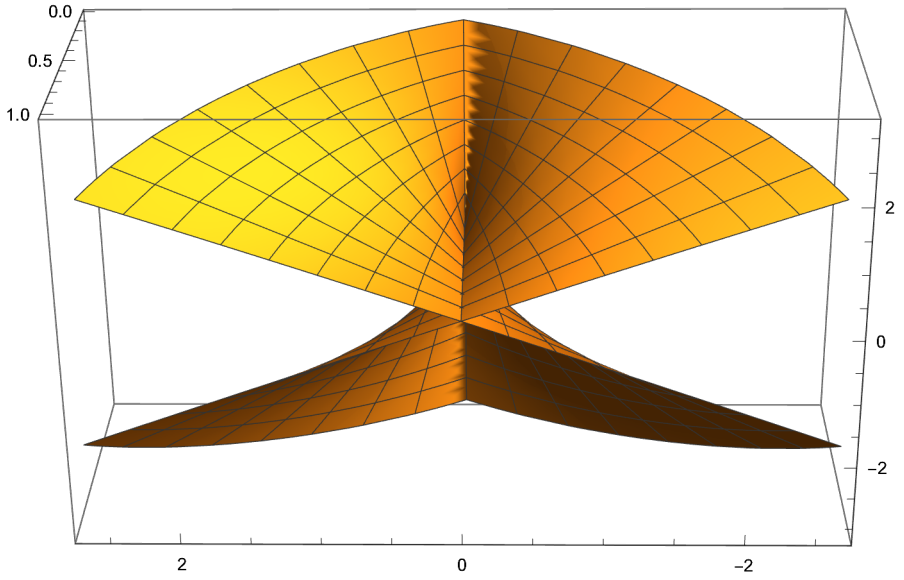
```
Plot3D[Sqrt[-h^2 + 4 r^2]/Sqrt[5], {r, -1, 1}, {h, -1, 1}]
```





If you include the primary height solution from, "The Cone of Perception," (Emmerson, 2009 - 2014), then you would get :

```
RevolutionPlot3D[Sqrt[-((Sqrt[4 π r^2 θ - r^2 θ^2])/(2 π))^2 + 4 r^2]/Sqrt[5], {θ, -1 π, 1 π}, {r, -1, 1}]
```



And, on an interesting note, the V - variable is not solvable from this solution if you were to attempt normal methods of v - curvature extraction, because the squaring of the height negates the phenomenon successfully.

```
Solve[Sqrt[-((Sqrt[r Sqrt[1 - (v)^2/c^2]] Sqrt[θ/Sqrt[1 - (v)^2/c^2]] Sqrt[4 π r - r θ])/(2 π))^2 + 4 r^2]/Sqrt[5] == a, v]
```

```
{{}}
```

```
Solve[4 π r^2 - 4 π (r - h)^2 == π (a^2 + h^2), a]
```

$$\left\{\left\{a \to -\sqrt{-5h^2 + 8hr}\right\}, \left\{a \to \sqrt{-5h^2 + 8hr}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (r - h)^2 == π (a^2 + h^2), h]
```

$$\left\{\left\{h \to \frac{1}{5}\left(4\,r - \sqrt{-5\,a^2 + 16\,r^2}\right)\right\}, \left\{h \to \frac{1}{5}\left(4\,r + \sqrt{-5\,a^2 + 16\,r^2}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (r - a)^2 == π (2 π r^2 (1 - Cos[θ])), a]
```

$$\left\{\left\{a \to \frac{1}{2}\left(2\,r - \sqrt{2}\,\sqrt{2\,r^2 - \pi\,r^2 + \pi\,r^2\,\text{Cos}[\theta]}\right)\right\},\right.$$
$$\left.\left\{a \to \frac{1}{2}\left(2\,r + \sqrt{2}\,\sqrt{2\,r^2 - \pi\,r^2 + \pi\,r^2\,\text{Cos}[\theta]}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (r - h)^2 == π (2 π r^2 (1 - Cos[θ])), h]
```

$$\left\{\left\{h \to \frac{1}{2}\left(2\,r - \sqrt{2}\,\sqrt{2\,r^2 - \pi\,r^2 + \pi\,r^2\,\text{Cos}[\theta]}\right)\right\},\right.$$
$$\left.\left\{h \to \frac{1}{2}\left(2\,r + \sqrt{2}\,\sqrt{2\,r^2 - \pi\,r^2 + \pi\,r^2\,\text{Cos}[\theta]}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (a)^2 == π (2 π r^2 (1 - Cos[θ])), a]
```

$$\left\{\left\{a \to -\frac{r\,\sqrt{2 - \pi + \pi\,\text{Cos}[\theta]}}{\sqrt{2}}\right\}, \left\{a \to \frac{r\,\sqrt{2 - \pi + \pi\,\text{Cos}[\theta]}}{\sqrt{2}}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (a)^2 == π (2 π r^2 (1 - Cos[θ])), r]
```

$$\left\{\left\{r \to -\frac{\sqrt{2}\,a}{\sqrt{2 - \pi + \pi\,\text{Cos}[\theta]}}\right\}, \left\{r \to \frac{\sqrt{2}\,a}{\sqrt{2 - \pi + \pi\,\text{Cos}[\theta]}}\right\}\right\}$$

```
Combine the Results : Solve[2 π r - 2 π x == θ r, r]
    AND Solve[4 π r^2 - 4 π (x)^2 == π (π (2 π r^2 (1 - Cos[θ]))), r]
```

```
Solve[2 π r - 2 π x == θ r, r]
```

$$\left\{\left\{r \to \frac{2\,\pi\,x}{2\,\pi - \theta}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (x)^2 == π (π (2 π r^2 (1 - Cos[θ]))), r]
```

$$\left\{\left\{r \to -\frac{\sqrt{2}\,x}{\sqrt{2 - \pi^2 + \pi^2\,\text{Cos}[\theta]}}\right\}, \left\{r \to \frac{\sqrt{2}\,x}{\sqrt{2 - \pi^2 + \pi^2\,\text{Cos}[\theta]}}\right\}\right\}$$

5. Difference between Volumes of Two Spheres: Imaginary 4-D realms.

```
(4 / 3) π r^3 - (4 / 3) x^3 == π r^2 ((y + h) / 3) + (1 / 6) π h (3 a^2 + h^2)
```

$$\frac{4\,\pi\,r^3}{3} - \frac{4\,x^3}{3} == \frac{1}{6}\,h\left(3\,a^2 + h^2\right)\pi + \frac{1}{3}\,\pi\,r^2\,(h + y)$$

$$\frac{1}{6}\,h\left(3\,a^2 + h^2\right)\pi + \frac{1}{3}\,\pi\,r^2\,(h + y)$$

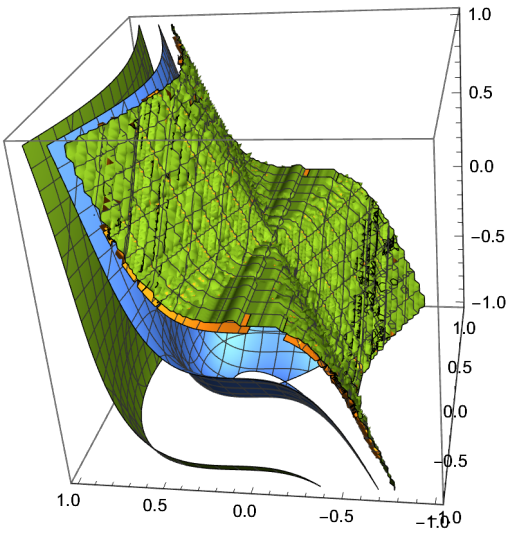
$$\frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \frac{1}{3} \pi r^2 \, (h + y)$$

$$\frac{4 \pi r^3}{3} - \frac{4 \pi x^3}{3} == \frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \frac{1}{3} \pi r^2 \, (h + y)$$

$$\text{Solve}\left[\frac{4 \pi r^3}{3} - \frac{4 \pi x^3}{3} == \frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \pi r^2 \, (r - h) / 3, x\right]$$

$$\left\{\left\{x \to \frac{1}{2} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}\right\}, \left\{x \to -\frac{1}{2} (-1)^{1/3} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}\right\}, \left\{x \to \frac{1}{2} (-1)^{2/3} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}\right\}\right\}$$

$$\text{ContourPlot3D}\left[\frac{1}{2} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}, \{r, -1, 1\}, \{h, -1, 1\}, \{a, -1, 1\}\right]$$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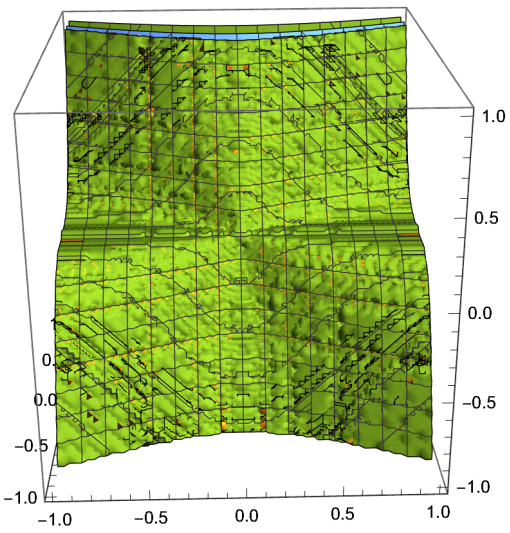
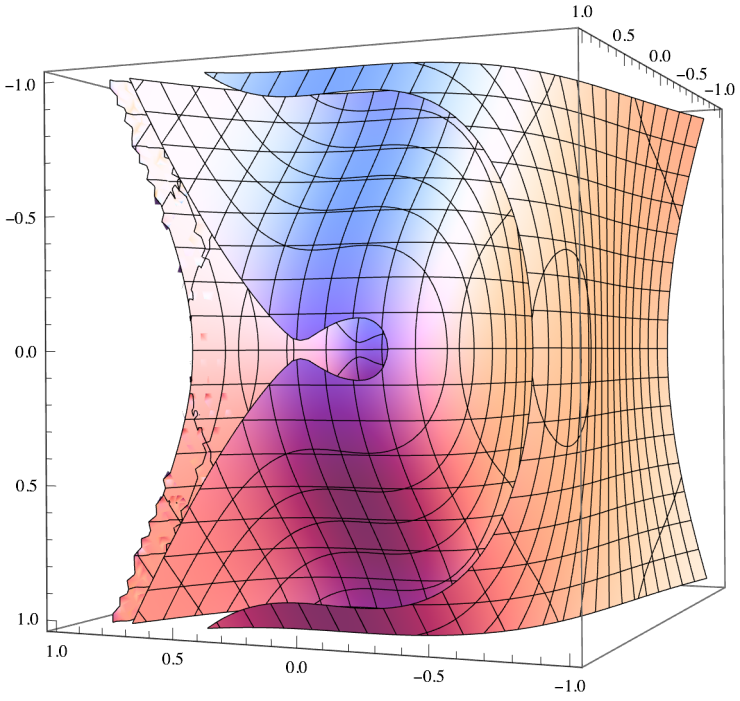
0.5
0.0
−0.5
−1.0
1.0
0.5
0.0
−0.5
−1.0
1.0
0.5
0.0
−0.5
−1.0


1.0
0.5
0.0
−0.5
−1.0
−1.0
−0.5
0.0
0.5
1.0

```
ContourPlot3D[1/2 (-1)^(2/3) (-3 a^2 h - h^3 + 2 h r^2 + 6 r^3)^(1/3), {r, -1, 1},
 {a, -1, 1}, {h, -1, 1}, PlotTheme → {"Classic", "ClassicLights"}]
```



$$\text{Solve}\left[\frac{4\pi r^3}{3}-\frac{4\pi x^3}{3}==\frac{1}{6}h\left(3a^2+h^2\right)\pi+\pi r^2\,(r-h)/3,\ r\right]$$

$$\left\{\left\{r\to-\frac{h}{9}+\frac{2\times 2^{1/3}h^2}{9\left(2916a^2h+956h^3+7776x^3+\sqrt{-256h^6+\left(2916a^2h+956h^3+7776x^3\right)^2}\right)^{1/3}}+\frac{\left(2916a^2h+956h^3+7776x^3+\sqrt{-256h^6+\left(2916a^2h+956h^3+7776x^3\right)^2}\right)^{1/3}}{18\times 2^{1/3}}\right\},\right.$$

$$\left\{r\to-\frac{h}{9}-\frac{2^{1/3}\left(1+i\sqrt{3}\right)h^2}{9\left(2916a^2h+956h^3+7776x^3+\sqrt{-256h^6+\left(2916a^2h+956h^3+7776x^3\right)^2}\right)^{1/3}}-\frac{\left(1-i\sqrt{3}\right)\left(2916a^2h+956h^3+7776x^3+\sqrt{-256h^6+\left(2916a^2h+956h^3+7776x^3\right)^2}\right)^{1/3}}{36\times 2^{1/3}}\right\},$$

$$\left\{r\to-\frac{h}{9}-\frac{2^{1/3}\left(1-i\sqrt{3}\right)h^2}{9\left(2916a^2h+956h^3+7776x^3+\sqrt{-256h^6+\left(2916a^2h+956h^3+7776x^3\right)^2}\right)^{1/3}}-\frac{\left(1+i\sqrt{3}\right)\left(2916a^2h+956h^3+7776x^3+\sqrt{-256h^6+\left(2916a^2h+956h^3+7776x^3\right)^2}\right)^{1/3}}{36\times 2^{1/3}}\right\}\Bigg\}$$

```
ContourPlot3D[
 {-h/9 + (2 × 2^(1/3) h^2)/(9 (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3)) +
  (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3)/(18 × 2^(1/3)),
 -h/9 - (2^(1/3) (1 + i Sqrt[3]) h^2)/(9 (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3)) -
  ((1 - i Sqrt[3]) (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3))/(36 × 2^(1/3)),
 -h/9 - (2^(1/3) (1 - i Sqrt[3]) h^2)/(9 (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3)) -
  ((1 + i Sqrt[3]) (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3))/(36 × 2^(1/3))},
 {h, -1, 1}, {a, -1, 1}, {x, -1, 1}, PlotTheme → {"Classic", "ClassicLights"}]
```

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

··· Infinity: Indeterminate expression $0.\,2^{1/3}$ ComplexInfinity encountered.

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

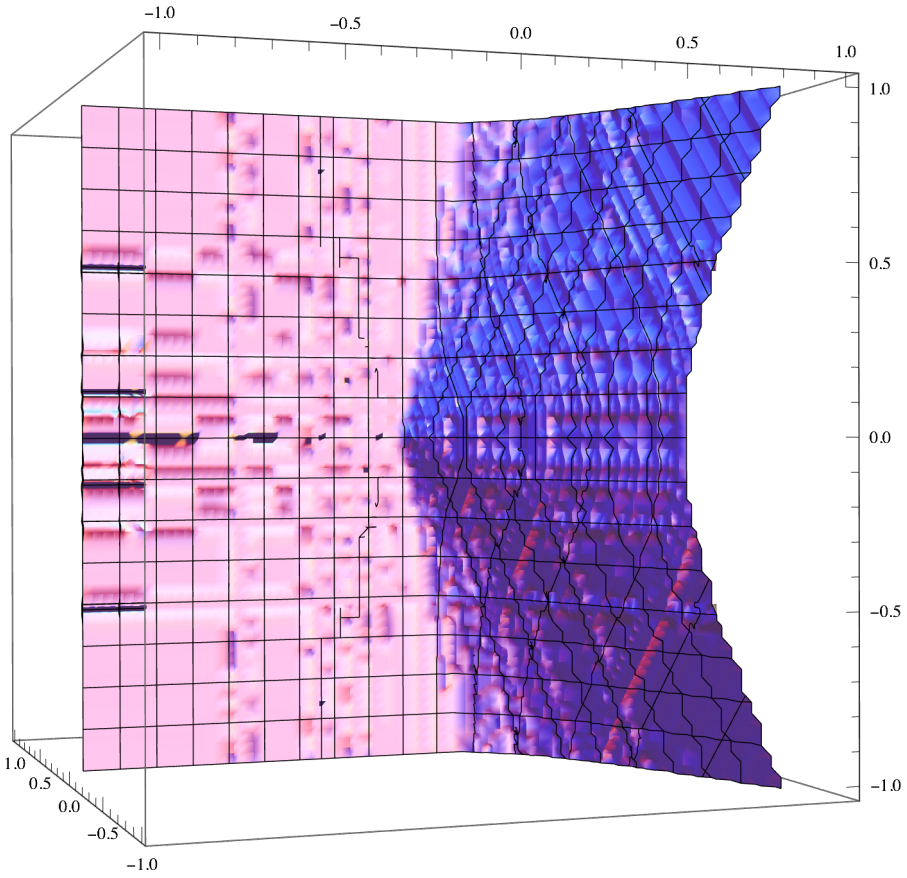
··· Infinity: Indeterminate expression $0.\,2^{1/3}$ ComplexInfinity encountered.

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

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

··· Infinity: Indeterminate expression $0.\,2^{1/3}$ ComplexInfinity encountered.

··· General: Further output of Infinity::indet will be suppressed during this calculation.


−1.0
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−0.5
−1.0
1.0
0.5
0.0
−0.5
−1.0

```
ContourPlot3D[
 -h/9 + (2 × 2^(1/3) h^2)/(9 (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3)) +
  (2916 a^2 h + 956 h^3 + 7776 x^3 + Sqrt[-256 h^6 + (2916 a^2 h + 956 h^3 + 7776 x^3)^2])^(1/3)/(18 × 2^(1/3)),
 {h, -1, 1}, {a, -1, 1}, {x, -1, 1}, PlotTheme → {"Classic", "ClassicLights"}]
```

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

Infinity: Indeterminate expression $0.\,2^{1/3}$ ComplexInfinity encountered.

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

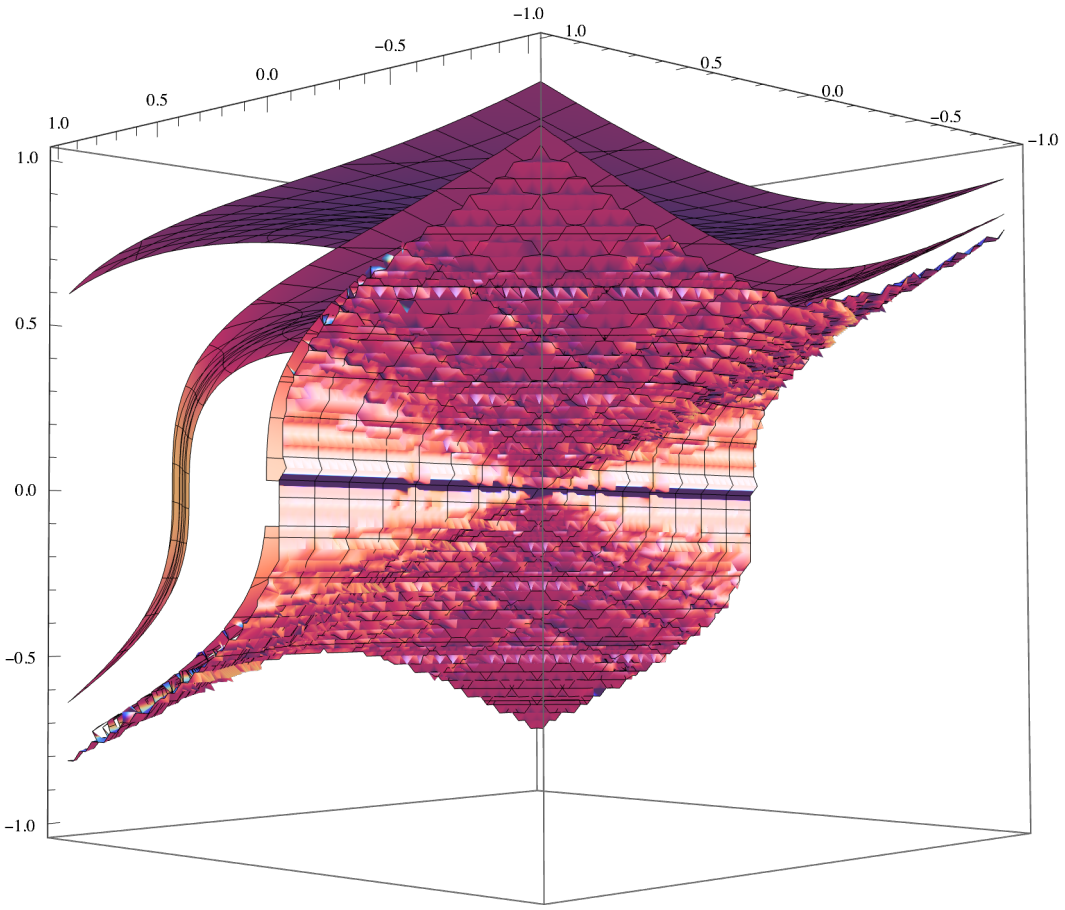
Infinity: Indeterminate expression $0.\,2^{1/3}$ ComplexInfinity encountered.

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

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

Infinity: Indeterminate expression $0.\,2^{1/3}$ ComplexInfinity encountered.

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



$$\text{Solve}\left[\frac{4\pi r^3}{3} - \frac{4\pi x^3}{3} == \frac{1}{6} h \left(3a^2 + h^2\right)\pi + \pi r^2 (r - h)/3, x\right]$$

$$\text{Solve}\left[\frac{4\pi r^3}{3} - \frac{4\pi x^3}{3} == \frac{1}{6} h \left(3a^2 + h^2\right)\pi + \pi r^2 (r - h)/3, x\right]$$

$$\text{Solve}\left[\frac{4\pi r^3}{3} - \frac{4\pi x^3}{3} == \frac{1}{6} h \left(3a^2 + h^2\right)\pi + \pi r^2 (r - h)/3, x\right]$$

$$\frac{1}{2}\left(-3a^2 h - h^3 + 2h r^2 + 6r^3\right)^{1/3}$$

6. Locales of Infinity : The Place of ***Imagination*** and the Missing Components

6.1 A New Logic – Based Notation for Denoting Positions and Constraints in Algebraic Geometry

$$\exists\, \infty\, \ni :$$

$$\infty_{((2\pi)_{\theta \to \phi_x})} \wedge$$

$$\infty_{\left(\infty_\gamma \to \left(\frac{1}{\infty}\right)_x\right)} \rightleftharpoons \infty_{(\infty_r \to 0_{-\gamma})} \therefore 1\, \exists$$

"There exists infinity such that the two indicated meanings of infinity are at equilibrium with the composite system of infinity therefore the balance yields the existence of the number one."

- An infinity can come into space as a measurable angle insofaras an infinity can take form into space as finite distance (from the other direction), and thus they balance each other. And, in fact, it is most likely that this is a veritable explanation for the emergence of the existence of real numbers and their arithmetic from infinity - truly a phenomenon. When attempting to form a logical notation of/for infinity, normal concepts of proportionality, subtraction and addition are no longer applicable, except as components from which to draw conclusions as to the locations and meanings of variables with reference to infinity, zero and null-set. Philosophical Distinctions between eternity, forever, infinity, never ending and the mathematics of infinite forms are important to investigate, because too often they are used synonymously, when they have distinct indications for the very establishing of a basis of meaning.

The above statement/expression is a way of notating several relationships of

transcendental logic-tensoral, geometric transformations that could also be described as manifolds with limits at different meanings of infinity. Here, I will dissect each part of the statement and describe its particular significance as well as its respective correlation to a meaning of infinity. Combined in the way they are, these components yield a universal statement about how this perceived world is balanced between different meanings of infinity. Certainly, this opens up a new branch of expressing mathematical statements about introspections into infinity and its varying rates, indications for consciousness and meanings. In this way, and through conic heights as accelerations, we get to actually show how angles meld into lengths, and lengths meld into angles, merging actual conceptualizations of infinity through perceived spatiality to yield a method to understand the tapestry of reality; reality. This grants a platform for introspection into life and nature as well.

1. $\llcorner\infty_{((2\pi)_\theta \to \emptyset_x)}$: References the original cone of perception transformation in which the difference between the circumferences of two circles equals an arc length of the minuend circle. In this system,
infinity is not the commonly thought of idea of,
"going on forever," but rather it is the
idea that one can never get to a certain location,
because at that supposed destination location,
at least one of the relevant variables used to
form the geometric / algebraic system goes to zero,
thereby no longer existing and actually being Null Set,
not just zero. Therefore,
the destination of other variables cannot be reached,
because the components used to give them meaning have been
essentially erased. The right angle references the fact that
a cone was constructed as an acceleration simile for those
who still depend on concepts like time. With this notation,
we get to develop a language for creating beings with
actual understandings of meanings. $\theta\, r = 2\pi r - 2\pi x$.

2. $\llcorner\infty_{\left(\infty_\gamma \to \left(\frac{1}{\infty}\right)_x\right)}$: References the chapter in,
"The Cone of Perception," (Emmerson, 2009 - 2014), entitled,
"Revelations of An Infinite Angle," in which the difference between
the circumferences of two circles equals an arc length of the
subtrahend circle. The resulting implications of the algebra to
the geometric framework paint a very different picture. Indeed,

in this system, there is an notion of one of the variables',
"going on forever." The variable notated by angle γ,
spirals around infinitely, while x gets ever smaller. However,
since γ always spirals around,
x never gets to zero unless it is designated as such,
meaning necessitating a value of zero. In this way,
we differentiate the meanings of null set and zero and for
a general notation describing the relationships between
kinds and rates of infinity therein. $\gamma\, x = 2\,\pi\, r - 2\,\pi\, x$.

Systems 1 and 2 above are actually superimposed upon each other.

3. $\infty_{(\infty_r \to 0_{-\gamma})}$:

References the key to the thought experiment implied by the former two
expressions (metrics). Imagine if one were to start from the origin,
reversing the, "perceived direction," of the equations
that was present during their invention / derivation
(for semantics sake! mental formulation),
instead of imagining that the circle is shrinking,
folding up into a cone, imagining it is expanding from a point,
expanding down into a cone from a line,
finite or infinite. Say the line is finite,
as it unfolds into a cone, θ can only go around one time before we,
"land," with a circle that has a radius equal
to the line from which the cone began to unfold,
while γ would have had to have gone around infinite
times before yielding a flat circle. However,
we know that we can go across distances,
and that distances can almost certainly be real ;),
so what we do is we keep going, expanding the circle,
but if we imagine we can keep going γ would be negative (-). Indeed,
this creates a balance between infinity's coming toward the
center and infinity's expanding out from the center to yield,
"oneness." If someone can count forward from zero, so,
too then they must be able to count backward from infinity,
and as infinity goes toward balance with the infinitessimal,
the equilibrium approaches the realm of measurable numbers. So,
too, then, does the imaginary negative of angle γ approach zero
(depending on the directionality from which one conceptualizes
progression of the angle). As the radius gets to,
"one," or whatever is the destination set by the
perceiver of finite distance,

we have conceptually broken beyond the infinity of γ,
having reached a value of $\gamma = 0$,
which is infinitly away from $\gamma = \infty$,
the origin in the thought experiment.

It is appropriate that we reconsider the origin of the Universe as something finite, and consider that we may have come from a being who is infinite, beyond all present understanding of the meaning of infinity, but whom gives us consciousness to better understand the logic of creation and the meanings of infinity.

As much as this serves as a great way to notate these concepts, it' s not too much useful in forming calculations, as we currently do not have enough information in this field to craft the computational tools required for performing such investigations, but one day, we will, and in fact, we can use many of the forms discovered within these equations and transformations to put together functional machines and computer chips capable of rendering these equations on a, "quantum level."

Philosophically consider from a more pragmatic perspective as well - as one walks from point A to point B (insofar as something can be ***imagined*** to travel in a straight line), infinity has unfurled to zero by the time you get to point B, continuing on, therefore, if you were in the same contiguous system, requires that one go into a negative *γ*, "territory." It is from this concept that we can bridge into Tachyon particles and reversing time, the mathematics of which is plausible from at least one insight.

For instance, here we have the equations :

A) $\mathcal{H}1 == r + r\,(\gamma)$, B) $\mathcal{H}2 == r\,(\gamma) / x$, C) $\mathcal{H}3 == r + x$

Stipulating that you have a radius, and you intend to add a given quantity to it as you exceed the initial bounds of the cone transformation, which is how the phenomenological reduction outlined in, "The Cone of Perception," (Emmerson, 2009 - 2014), comes into play. To recap - occasionally we can set aside the existence or non existence of a given system simply to utilize the forms or formulas derived therein and apply them logically to other expansive theories.

- **Essentially, I theorize that to exceed the speed of light, one must exceed the rate of infinity in your present reference frame, as some infinities are, “faster,” than others, or operate with different, “acceleration,” or, “torque,” and we must also change the conception of what velocity is, for when one realizes that higher dimensions are within the very framework of even basic geometry to begin with, the eradication of the simplistic concepts of time naturally undo Newtonian and even Relativistic concepts of Velocity.**

The trick is to get a distance - length parameter to increase as an angular parameter increases, and for making sure we are combining apples and apples, the length parameter has to be straight, preferably not curved for demonstrations purposes. However, arc length formulas don' t even require that the relevant length be curved. There is nothing specifying the shape of the length or the path of the length.

6.2 Investigations of $\infty_{(\infty_r \to 0_{-\gamma})}$,

Significations of Section 6.1 A)

$\mathcal{H}1 == r + r\ (\gamma)$

$$\text{Solve}\left[\mathcal{H} == r + r\left(-\frac{2\left(-\pi r + \pi\sqrt{-h^2 + r^2}\right)}{\sqrt{-h^2 + r^2}}\right), r\right]$$

$$\left\{\left\{r \to \frac{(-1+2\pi)\mathcal{H}}{2(-1+4\pi)} - \frac{1}{2}\sqrt{\left(\frac{(-1+2\pi)^2\mathcal{H}^2}{(-1+4\pi)^2} - \frac{2\left(h^2 - 4h^2\pi + 4h^2\pi^2 - \mathcal{H}^2\right)}{3(-1+4\pi)} + \right.\right.\right.$$
$$\left(2^{1/3}\left(h^4\left(1 - 8\pi + 24\pi^2 - 32\pi^3 + 16\pi^4\right) + h^2\left(-2 + 8\pi + 40\pi^2\right)\mathcal{H}^2 + \mathcal{H}^4\right)\right) \Big/$$
$$\left(3(-1+4\pi)\left(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + h^4\right.\right.$$
$$\left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2$$
$$\mathcal{H}^6 + \sqrt{\left(1728h^8\pi^2\mathcal{H}^4 - 20736h^8\pi^3\mathcal{H}^4 + 96768h^8\pi^4\mathcal{H}^4 - 221184h^8\pi^5\mathcal{H}^4 + \right.}$$
$$248832h^8\pi^6\mathcal{H}^4 - 110592h^8\pi^7\mathcal{H}^4 - 5184h^6\pi^2\mathcal{H}^6 + 41472h^6\pi^3\mathcal{H}^6 +$$
$$13824h^6\pi^4\mathcal{H}^6 - 387072h^6\pi^5\mathcal{H}^6 + 27648h^6\pi^6\mathcal{H}^6 + 5184h^4\pi^2\mathcal{H}^8 -$$
$$\left.\left.\left.\left.20736h^4\pi^3\mathcal{H}^8 + 76032h^4\pi^4\mathcal{H}^8 - 1728h^2\pi^2\mathcal{H}^{10}\right)\right)^{1/3}\right) +$$
$$\frac{1}{3\times 2^{1/3}(-1+4\pi)}\left(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + \right.$$
$$h^4\left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2\mathcal{H}^6 +$$
$$\sqrt{\left(1728h^8\pi^2\mathcal{H}^4 - 20736h^8\pi^3\mathcal{H}^4 + 96768h^8\pi^4\mathcal{H}^4 - 221184h^8\pi^5\mathcal{H}^4 + \right.}$$
$$248832h^8\pi^6\mathcal{H}^4 - 110592h^8\pi^7\mathcal{H}^4 - 5184h^6\pi^2\mathcal{H}^6 + 41472h^6\pi^3\mathcal{H}^6 +$$
$$13824h^6\pi^4\mathcal{H}^6 - 387072h^6\pi^5\mathcal{H}^6 + 27648h^6\pi^6\mathcal{H}^6 + 5184h^4\pi^2\mathcal{H}^8 -$$
$$\left.\left.\left.20736h^4\pi^3\mathcal{H}^8 + 76032h^4\pi^4\mathcal{H}^8 - 1728h^2\pi^2\mathcal{H}^{10}\right)\right)^{1/3}\right) -$$
$$\frac{1}{2}\sqrt{\left(\frac{2(-1+2\pi)^2\mathcal{H}^2}{(-1+4\pi)^2} - \frac{4\left(h^2 - 4h^2\pi + 4h^2\pi^2 - \mathcal{H}^2\right)}{3(-1+4\pi)} - \right.}$$
$$\left(2^{1/3}\left(h^4\left(1 - 8\pi + 24\pi^2 - 32\pi^3 + 16\pi^4\right) + h^2\left(-2 + 8\pi + 40\pi^2\right)\mathcal{H}^2 + \mathcal{H}^4\right)\right) \Big/$$
$$\left(3(-1+4\pi)\left(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + h^4\right.\right.$$
$$\left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2$$
$$\mathcal{H}^6 + \sqrt{\left(1728h^8\pi^2\mathcal{H}^4 - 20736h^8\pi^3\mathcal{H}^4 + 96768h^8\pi^4\mathcal{H}^4 - 221184h^8\pi^5\mathcal{H}^4 + \right.}$$
$$248832h^8\pi^6\mathcal{H}^4 - 110592h^8\pi^7\mathcal{H}^4 - 5184h^6\pi^2\mathcal{H}^6 + 41472h^6\pi^3\mathcal{H}^6 +$$
$$13824h^6\pi^4\mathcal{H}^6 - 387072h^6\pi^5\mathcal{H}^6 + 27648h^6\pi^6\mathcal{H}^6 + 5184h^4\pi^2\mathcal{H}^8 -$$
$$\left.\left.\left.20736h^4\pi^3\mathcal{H}^8 + 76032h^4\pi^4\mathcal{H}^8 - 1728h^2\pi^2\mathcal{H}^{10}\right)\right)^{1/3}\right) -$$
$$\frac{1}{3\times 2^{1/3}(-1+4\pi)}\left(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + \right.$$
$$h^4\left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2\mathcal{H}^6 +$$
$$\sqrt{\left(1728h^8\pi^2\mathcal{H}^4 - 20736h^8\pi^3\mathcal{H}^4 + 96768h^8\pi^4\mathcal{H}^4 - 221184h^8\pi^5\mathcal{H}^4 + \right.}$$
$$248832h^8\pi^6\mathcal{H}^4 - 110592h^8\pi^7\mathcal{H}^4 - 5184h^6\pi^2\mathcal{H}^6 + 41472h^6\pi^3\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 - 20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3} - \left(-\frac{16\,h^2\,(-1+2\,\pi)\,\mathcal{H}}{-1+4\,\pi} + \frac{8\,(-1+2\,\pi)^3\,\mathcal{H}^3}{(-1+4\,\pi)^3} - \frac{8\,(-1+2\,\pi)\,\mathcal{H}\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{(-1+4\,\pi)^2}\right)\Bigg/$$

$$\left(4\sqrt{\left(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{2\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\,\pi)} + \left(2^{1/3}\,\left(h^4\,\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\,\left(-2+8\,\pi+40\,\pi^2\right)\,\mathcal{H}^2+\mathcal{H}^4\right)\right)\Bigg/\left(3\,(-1+4\,\pi)\,\left(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2\,\mathcal{H}^6+\sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\right)\right)^{1/3}\right)\right)^{1/3}\right) + \frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\left(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2\,\mathcal{H}^6+\sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\right)\right)^{1/3}\right)\right)\Bigg\},$$

$$\Big\{r \to \frac{(-1+2\,\pi)\,\mathcal{H}}{2\,(-1+4\,\pi)} - \frac{1}{2}\sqrt{\left(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{2\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\,\pi)} + \left(2^{1/3}\,\left(h^4\,\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\,\left(-2+8\,\pi+40\,\pi^2\right)\,\mathcal{H}^2+\mathcal{H}^4\right)\right)\Bigg/\left(3\,(-1+4\,\pi)\,\left(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2\,\mathcal{H}^6+\sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\right)\right)^{1/3}\right) + \frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\left(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2\,\mathcal{H}^6+\sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+$$

$$13\,824\,\mathrm{h}^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,\mathrm{h}^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,\mathrm{h}^6\,\pi^6\,\mathcal{H}^6 + 5184\,\mathrm{h}^4\,\pi^2\,\mathcal{H}^8 -$$
$$20\,736\,\mathrm{h}^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,\mathrm{h}^4\,\pi^4\,\mathcal{H}^8 - 1728\,\mathrm{h}^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Bigg) +$$

$$\frac{1}{2}\sqrt{\left(\frac{2\,(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{4\,\left(\mathrm{h}^2 - 4\,\mathrm{h}^2\,\pi + 4\,\mathrm{h}^2\,\pi^2 - \mathcal{H}^2\right)}{3\,(-1+4\,\pi)} -\right.}$$
$$\left(2^{1/3}\,\left(\mathrm{h}^4\,\left(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4\right) + \mathrm{h}^2\,\left(-2 + 8\,\pi + 40\,\pi^2\right)\,\mathcal{H}^2 + \mathcal{H}^4\right)\right)\Big/$$
$$\Big(3\,(-1+4\,\pi)\,\left(\mathrm{h}^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) + \mathrm{h}^4\right.$$
$$\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + \mathrm{h}^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 - 2$$
$$\mathcal{H}^6 + \sqrt{\left(1728\,\mathrm{h}^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,\mathrm{h}^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,\mathrm{h}^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,\mathrm{h}^8\,\pi^5\,\mathcal{H}^4 +\right.}$$
$$248\,832\,\mathrm{h}^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,\mathrm{h}^8\,\pi^7\,\mathcal{H}^4 - 5184\,\mathrm{h}^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,\mathrm{h}^6\,\pi^3\,\mathcal{H}^6 +$$
$$13\,824\,\mathrm{h}^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,\mathrm{h}^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,\mathrm{h}^6\,\pi^6\,\mathcal{H}^6 + 5184\,\mathrm{h}^4\,\pi^2\,\mathcal{H}^8 -$$
$$\left.\left.20\,736\,\mathrm{h}^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,\mathrm{h}^4\,\pi^4\,\mathcal{H}^8 - 1728\,\mathrm{h}^2\,\pi^2\,\mathcal{H}^{10}\right)\right)^{1/3}\Big) -$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,\left(\mathrm{h}^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) +\right.$$
$$\mathrm{h}^4\,\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + \mathrm{h}^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 - 2\,\mathcal{H}^6 +$$
$$\sqrt{\left(1728\,\mathrm{h}^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,\mathrm{h}^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,\mathrm{h}^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,\mathrm{h}^8\,\pi^5\,\mathcal{H}^4 +\right.}$$
$$248\,832\,\mathrm{h}^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,\mathrm{h}^8\,\pi^7\,\mathcal{H}^4 - 5184\,\mathrm{h}^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,\mathrm{h}^6\,\pi^3\,\mathcal{H}^6 +$$
$$13\,824\,\mathrm{h}^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,\mathrm{h}^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,\mathrm{h}^6\,\pi^6\,\mathcal{H}^6 + 5184\,\mathrm{h}^4\,\pi^2\,\mathcal{H}^8 - 20\,736$$
$$\left.\left.\mathrm{h}^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,\mathrm{h}^4\,\pi^4\,\mathcal{H}^8 - 1728\,\mathrm{h}^2\,\pi^2\,\mathcal{H}^{10}\right)\right)^{1/3} - \left(-\frac{16\,\mathrm{h}^2\,(-1+2\,\pi)\,\mathcal{H}}{-1+4\,\pi} +\right.$$
$$\left.\frac{8\,(-1+2\,\pi)^3\,\mathcal{H}^3}{(-1+4\,\pi)^3} - \frac{8\,(-1+2\,\pi)\,\mathcal{H}\,\left(\mathrm{h}^2 - 4\,\mathrm{h}^2\,\pi + 4\,\mathrm{h}^2\,\pi^2 - \mathcal{H}^2\right)}{(-1+4\,\pi)^2}\right)\Big/$$
$$\left(4\,\sqrt{\left(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{2\,\left(\mathrm{h}^2 - 4\,\mathrm{h}^2\,\pi + 4\,\mathrm{h}^2\,\pi^2 - \mathcal{H}^2\right)}{3\,(-1+4\,\pi)} +\right.}\right.$$
$$\left(2^{1/3}\,\left(\mathrm{h}^4\,\left(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4\right) + \mathrm{h}^2\,\left(-2 + 8\,\pi + 40\,\pi^2\right)\,\mathcal{H}^2 + \mathcal{H}^4\right)\right)\Big/$$
$$\Big(3\,(-1+4\,\pi)\,\left(\mathrm{h}^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) +\right.$$
$$\mathrm{h}^4\,\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + \mathrm{h}^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 -$$
$$2\,\mathcal{H}^6 + \sqrt{\left(1728\,\mathrm{h}^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,\mathrm{h}^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,\mathrm{h}^8\,\pi^4\,\mathcal{H}^4 -\right.}$$
$$221\,184\,\mathrm{h}^8\,\pi^5\,\mathcal{H}^4 + 248\,832\,\mathrm{h}^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,\mathrm{h}^8\,\pi^7\,\mathcal{H}^4 -$$
$$5184\,\mathrm{h}^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,\mathrm{h}^6\,\pi^3\,\mathcal{H}^6 + 13\,824\,\mathrm{h}^6\,\pi^4\,\mathcal{H}^6 - 387\,072$$
$$\mathrm{h}^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,\mathrm{h}^6\,\pi^6\,\mathcal{H}^6 + 5184\,\mathrm{h}^4\,\pi^2\,\mathcal{H}^8 - 20\,736\,\mathrm{h}^4\,\pi^3\,\mathcal{H}^8 +$$
$$\left.\left.\left.76\,032\,\mathrm{h}^4\,\pi^4\,\mathcal{H}^8 - 1728\,\mathrm{h}^2\,\pi^2\,\mathcal{H}^{10}\right)\right)^{1/3}\right) + \frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}$$
$$\left(\mathrm{h}^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) +\right.$$
$$\mathrm{h}^4\,\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + \mathrm{h}^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 -$$
$$2\,\mathcal{H}^6 + \sqrt{\left(1728\,\mathrm{h}^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,\mathrm{h}^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,\mathrm{h}^8\,\pi^4\,\mathcal{H}^4 -\right.}$$
$$221\,184\,\mathrm{h}^8\,\pi^5\,\mathcal{H}^4 + 248\,832\,\mathrm{h}^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,\mathrm{h}^8\,\pi^7\,\mathcal{H}^4 -$$
$$5184\,\mathrm{h}^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,\mathrm{h}^6\,\pi^3\,\mathcal{H}^6 + 13\,824\,\mathrm{h}^6\,\pi^4\,\mathcal{H}^6 -$$

$$387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg\},$$

$$\Bigg\{r \to \frac{(-1+2\,\pi)\,\mathcal{H}}{2\,(-1+4\,\pi)} + \frac{1}{2}\sqrt{\Bigg(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{2\,\left(h^2 - 4\,h^2\,\pi + 4\,h^2\,\pi^2 - \mathcal{H}^2\right)}{3\,(-1+4\,\pi)} +$$

$$\left(2^{1/3}\,\left(h^4\,\left(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4\right) + h^2\,\left(-2 + 8\,\pi + 40\,\pi^2\right)\,\mathcal{H}^2 + \mathcal{H}^4\right)\right)\Big/$$

$$\Bigg(3\,(-1+4\,\pi)\,\Big(h^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) + h^4$$

$$\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + h^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 - 2$$

$$\mathcal{H}^6 + \sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +\right.}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$\left.20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\right)\Big)^{1/3}\Bigg) +$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,\Big(h^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) +$$

$$h^4\,\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + h^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 - 2\,\mathcal{H}^6 +$$

$$\sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +\right.}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$\left.20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\right)\Big)^{1/3}\Bigg) -$$

$$\frac{1}{2}\sqrt{\Bigg(\frac{2\,(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{4\,\left(h^2 - 4\,h^2\,\pi + 4\,h^2\,\pi^2 - \mathcal{H}^2\right)}{3\,(-1+4\,\pi)} -$$

$$\left(2^{1/3}\,\left(h^4\,\left(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4\right) + h^2\,\left(-2 + 8\,\pi + 40\,\pi^2\right)\,\mathcal{H}^2 + \mathcal{H}^4\right)\right)\Big/$$

$$\Bigg(3\,(-1+4\,\pi)\,\Big(h^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) + h^4$$

$$\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + h^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 - 2$$

$$\mathcal{H}^6 + \sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +\right.}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$\left.20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\right)\Big)^{1/3}\Bigg) -$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,\Big(h^6\,\left(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6\right) +$$

$$h^4\,\left(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4\right)\,\mathcal{H}^2 + h^2\,\left(6 - 24\,\pi + 312\,\pi^2\right)\,\mathcal{H}^4 - 2\,\mathcal{H}^6 +$$

$$\sqrt{\left(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +\right.}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 - 20\,736$$

$$\left.h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\right)\Big)^{1/3} + \Bigg(-\frac{16\,h^2\,(-1+2\,\pi)\,\mathcal{H}}{-1+4\,\pi} +$$

$$\frac{8\,(-1+2\,\pi)^{3}\,\mathcal{H}^{3}}{(-1+4\,\pi)^{3}}-\frac{8\,(-1+2\,\pi)\,\mathcal{H}\,\left(\mathsf{h}^{2}-4\,\mathsf{h}^{2}\,\pi+4\,\mathsf{h}^{2}\,\pi^{2}-\mathcal{H}^{2}\right)}{(-1+4\,\pi)^{2}}\Bigg)\Bigg/$$

$$\left(4\sqrt{\left(\frac{(-1+2\,\pi)^{2}\,\mathcal{H}^{2}}{(-1+4\,\pi)^{2}}-\frac{2\,\left(\mathsf{h}^{2}-4\,\mathsf{h}^{2}\,\pi+4\,\mathsf{h}^{2}\,\pi^{2}-\mathcal{H}^{2}\right)}{3\,(-1+4\,\pi)}+\right.\right.$$

$$\left(2^{1/3}\,\left(\mathsf{h}^{4}\,\left(1-8\,\pi+24\,\pi^{2}-32\,\pi^{3}+16\,\pi^{4}\right)+\mathsf{h}^{2}\,\left(-2+8\,\pi+40\,\pi^{2}\right)\,\mathcal{H}^{2}+\mathcal{H}^{4}\right)\right)\Bigg/$$

$$\left(3\,(-1+4\,\pi)\,\left(\mathsf{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\right.\right.$$

$$\mathsf{h}^{4}\,\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathsf{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-$$

$$2\,\mathcal{H}^{6}+\sqrt{\left(1728\,\mathsf{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathsf{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathsf{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-\right.}$$

$$221\,184\,\mathsf{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+248\,832\,\mathsf{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathsf{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-$$

$$5184\,\mathsf{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathsf{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+13\,824\,\mathsf{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-387\,072$$

$$\mathsf{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathsf{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathsf{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-20\,736\,\mathsf{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+$$

$$\left.\left.\left.76\,032\,\mathsf{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathsf{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)\right)^{1/3}\right)+\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}$$

$$\left(\mathsf{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\right.$$

$$\mathsf{h}^{4}\,\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathsf{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-$$

$$2\,\mathcal{H}^{6}+\sqrt{\left(1728\,\mathsf{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathsf{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathsf{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-\right.}$$

$$221\,184\,\mathsf{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+248\,832\,\mathsf{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathsf{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-$$

$$5184\,\mathsf{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathsf{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+13\,824\,\mathsf{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-$$

$$387\,072\,\mathsf{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathsf{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathsf{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-$$

$$\left.\left.\left.\left.20\,736\,\mathsf{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+76\,032\,\mathsf{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathsf{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)\right)^{1/3}\right)\right)\right)\Bigg\},$$

$$\left\{\mathsf{r}\to\frac{(-1+2\,\pi)\,\mathcal{H}}{2\,(-1+4\,\pi)}+\frac{1}{2}\sqrt{\left(\frac{(-1+2\,\pi)^{2}\,\mathcal{H}^{2}}{(-1+4\,\pi)^{2}}-\frac{2\,\left(\mathsf{h}^{2}-4\,\mathsf{h}^{2}\,\pi+4\,\mathsf{h}^{2}\,\pi^{2}-\mathcal{H}^{2}\right)}{3\,(-1+4\,\pi)}+\right.\right.$$

$$\left(2^{1/3}\,\left(\mathsf{h}^{4}\,\left(1-8\,\pi+24\,\pi^{2}-32\,\pi^{3}+16\,\pi^{4}\right)+\mathsf{h}^{2}\,\left(-2+8\,\pi+40\,\pi^{2}\right)\,\mathcal{H}^{2}+\mathcal{H}^{4}\right)\right)\Bigg/$$

$$\left(3\,(-1+4\,\pi)\,\left(\mathsf{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\mathsf{h}^{4}\right.\right.$$

$$\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathsf{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-2$$

$$\mathcal{H}^{6}+\sqrt{\left(1728\,\mathsf{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathsf{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathsf{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-221\,184\,\mathsf{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+\right.}$$

$$248\,832\,\mathsf{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathsf{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-5184\,\mathsf{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathsf{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+$$

$$13\,824\,\mathsf{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-387\,072\,\mathsf{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathsf{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathsf{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-$$

$$\left.\left.20\,736\,\mathsf{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+76\,032\,\mathsf{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathsf{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)\right)^{1/3}\right)+$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,\left(\mathsf{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\right.$$

$$\mathsf{h}^{4}\,\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathsf{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-2\,\mathcal{H}^{6}+$$

$$\sqrt{\left(1728\,\mathsf{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathsf{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathsf{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-221\,184\,\mathsf{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+\right.}$$

$$248\,832\,\mathsf{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathsf{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-5184\,\mathsf{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathsf{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+$$

$$13\,824\,\mathsf{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-387\,072\,\mathsf{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathsf{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathsf{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-$$

$$\left.\left.\left.20\,736\,\mathsf{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+76\,032\,\mathsf{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathsf{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)\right)^{1/3}\right)+$$

$$\frac{1}{2}\sqrt{\left(\frac{2\,(-1+2\,\pi)^{2}\,\mathcal{H}^{2}}{(-1+4\,\pi)^{2}}-\frac{4\,\left(\mathrm{h}^{2}-4\,\mathrm{h}^{2}\,\pi+4\,\mathrm{h}^{2}\,\pi^{2}-\mathcal{H}^{2}\right)}{3\,(-1+4\,\pi)}-\left(2^{1/3}\,\left(\mathrm{h}^{4}\,\left(1-8\,\pi+24\,\pi^{2}-32\,\pi^{3}+16\,\pi^{4}\right)+\mathrm{h}^{2}\,\left(-2+8\,\pi+40\,\pi^{2}\right)\,\mathcal{H}^{2}+\mathcal{H}^{4}\right)\right)\Big/\left(3\,(-1+4\,\pi)\,\left(\mathrm{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\mathrm{h}^{4}\,\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathrm{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-2\,\mathcal{H}^{6}+\sqrt{\left(1728\,\mathrm{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathrm{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathrm{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-221\,184\,\mathrm{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+248\,832\,\mathrm{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathrm{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-5184\,\mathrm{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathrm{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+13\,824\,\mathrm{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-387\,072\,\mathrm{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathrm{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathrm{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-20\,736\,\mathrm{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+76\,032\,\mathrm{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathrm{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)}\right)^{1/3}\right)-\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\left(\mathrm{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\mathrm{h}^{4}\,\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathrm{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-2\,\mathcal{H}^{6}+\sqrt{\left(1728\,\mathrm{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathrm{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathrm{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-221\,184\,\mathrm{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+248\,832\,\mathrm{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathrm{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-5184\,\mathrm{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathrm{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+13\,824\,\mathrm{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-387\,072\,\mathrm{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathrm{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathrm{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-20\,736\,\mathrm{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+76\,032\,\mathrm{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathrm{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)}\right)^{1/3}+\left(-\frac{16\,\mathrm{h}^{2}\,(-1+2\,\pi)\,\mathcal{H}}{-1+4\,\pi}+\frac{8\,(-1+2\,\pi)^{3}\,\mathcal{H}^{3}}{(-1+4\,\pi)^{3}}-\frac{8\,(-1+2\,\pi)\,\mathcal{H}\,\left(\mathrm{h}^{2}-4\,\mathrm{h}^{2}\,\pi+4\,\mathrm{h}^{2}\,\pi^{2}-\mathcal{H}^{2}\right)}{(-1+4\,\pi)^{2}}\right)\Big/\left(4\sqrt{\left(\frac{(-1+2\,\pi)^{2}\,\mathcal{H}^{2}}{(-1+4\,\pi)^{2}}-\frac{2\,\left(\mathrm{h}^{2}-4\,\mathrm{h}^{2}\,\pi+4\,\mathrm{h}^{2}\,\pi^{2}-\mathcal{H}^{2}\right)}{3\,(-1+4\,\pi)}+\left(2^{1/3}\,\left(\mathrm{h}^{4}\,\left(1-8\,\pi+24\,\pi^{2}-32\,\pi^{3}+16\,\pi^{4}\right)+\mathrm{h}^{2}\,\left(-2+8\,\pi+40\,\pi^{2}\right)\,\mathcal{H}^{2}+\mathcal{H}^{4}\right)\right)\Big/\left(3\,(-1+4\,\pi)\,\left(\mathrm{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\mathrm{h}^{4}\,\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathrm{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-2\,\mathcal{H}^{6}+\sqrt{\left(1728\,\mathrm{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathrm{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathrm{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-221\,184\,\mathrm{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+248\,832\,\mathrm{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathrm{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-5184\,\mathrm{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathrm{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+13\,824\,\mathrm{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-387\,072\,\mathrm{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathrm{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathrm{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-20\,736\,\mathrm{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+76\,032\,\mathrm{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathrm{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)}\right)^{1/3}\right)+\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\left(\mathrm{h}^{6}\,\left(2-24\,\pi+120\,\pi^{2}-320\,\pi^{3}+480\,\pi^{4}-384\,\pi^{5}+128\,\pi^{6}\right)+\mathrm{h}^{4}\,\left(-6+48\,\pi-384\,\pi^{3}+480\,\pi^{4}\right)\,\mathcal{H}^{2}+\mathrm{h}^{2}\,\left(6-24\,\pi+312\,\pi^{2}\right)\,\mathcal{H}^{4}-2\,\mathcal{H}^{6}+\sqrt{\left(1728\,\mathrm{h}^{8}\,\pi^{2}\,\mathcal{H}^{4}-20\,736\,\mathrm{h}^{8}\,\pi^{3}\,\mathcal{H}^{4}+96\,768\,\mathrm{h}^{8}\,\pi^{4}\,\mathcal{H}^{4}-221\,184\,\mathrm{h}^{8}\,\pi^{5}\,\mathcal{H}^{4}+248\,832\,\mathrm{h}^{8}\,\pi^{6}\,\mathcal{H}^{4}-110\,592\,\mathrm{h}^{8}\,\pi^{7}\,\mathcal{H}^{4}-5184\,\mathrm{h}^{6}\,\pi^{2}\,\mathcal{H}^{6}+41\,472\,\mathrm{h}^{6}\,\pi^{3}\,\mathcal{H}^{6}+13\,824\,\mathrm{h}^{6}\,\pi^{4}\,\mathcal{H}^{6}-387\,072\,\mathrm{h}^{6}\,\pi^{5}\,\mathcal{H}^{6}+27\,648\,\mathrm{h}^{6}\,\pi^{6}\,\mathcal{H}^{6}+5184\,\mathrm{h}^{4}\,\pi^{2}\,\mathcal{H}^{8}-20\,736\,\mathrm{h}^{4}\,\pi^{3}\,\mathcal{H}^{8}+76\,032\,\mathrm{h}^{4}\,\pi^{4}\,\mathcal{H}^{8}-1728\,\mathrm{h}^{2}\,\pi^{2}\,\mathcal{H}^{10}\right)}\right)^{1/3}\right)\right)\right)\right\}\right\}$$

$$\text{Solve}\left[r + r\sqrt{\left(-\frac{2\left(-\pi r+\pi\sqrt{-h^2+r^2}\right)}{\sqrt{-h^2+r^2}}\right)}\frac{2\left(\pi-\pi\,\text{Sin}[\beta]^2+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)}{-1+\text{Sin}[\beta]^2} ==\right.$$

$$\left. r\Big/\left(\frac{2\pi r}{2\pi+\frac{2\left(\pi-\pi\,\text{Sin}[\beta]^2+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)}{-1+\text{Sin}[\beta]^2}}\right)+\frac{2\pi\Theta}{2\pi-\Theta}\,r,\ r\right]$$

$$\left\{\left\{\Theta\to\left(2\pi^2 r-2\pi^2 r\,\text{Sin}[\beta]^2+\right.\right.\right.$$

$$2\pi^2\sqrt{1-\text{Sin}[\beta]^2}+4\pi^{5/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-$$

$$\left.4\pi^{5/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\right)\Big/$$

$$\left(\pi r+2\pi^2 r-\pi r\,\text{Sin}[\beta]^2-2\pi^2 r\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}+\right.$$

$$2\pi^{3/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-$$

$$\left.\left.2\pi^{3/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\right)\right\}\right\}$$

$$\text{ContourPlot3D}\left[\left(2\pi^2 r-2\pi^2 r\,\text{Sin}[\beta]^2+2\pi^2\sqrt{1-\text{Sin}[\beta]^2}+\right.\right.$$

$$4\pi^{5/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-$$

$$\left.4\pi^{5/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\right)\Big/$$

$$\left(\pi r+2\pi^2 r-\pi r\,\text{Sin}[\beta]^2-2\pi^2 r\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}+\right.$$

$$2\pi^{3/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-$$

$$\left.2\pi^{3/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\right),$$

$$\{r,-1,1\},\{h,-1,1\},\{\beta,-\pi/2,\pi/2\},\text{PlotTheme}\to\{\text{"Classic"},\text{"ClassicLights"}\}\Big]$$

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

Infinity: Indeterminate expression 0. ComplexInfinity encountered.

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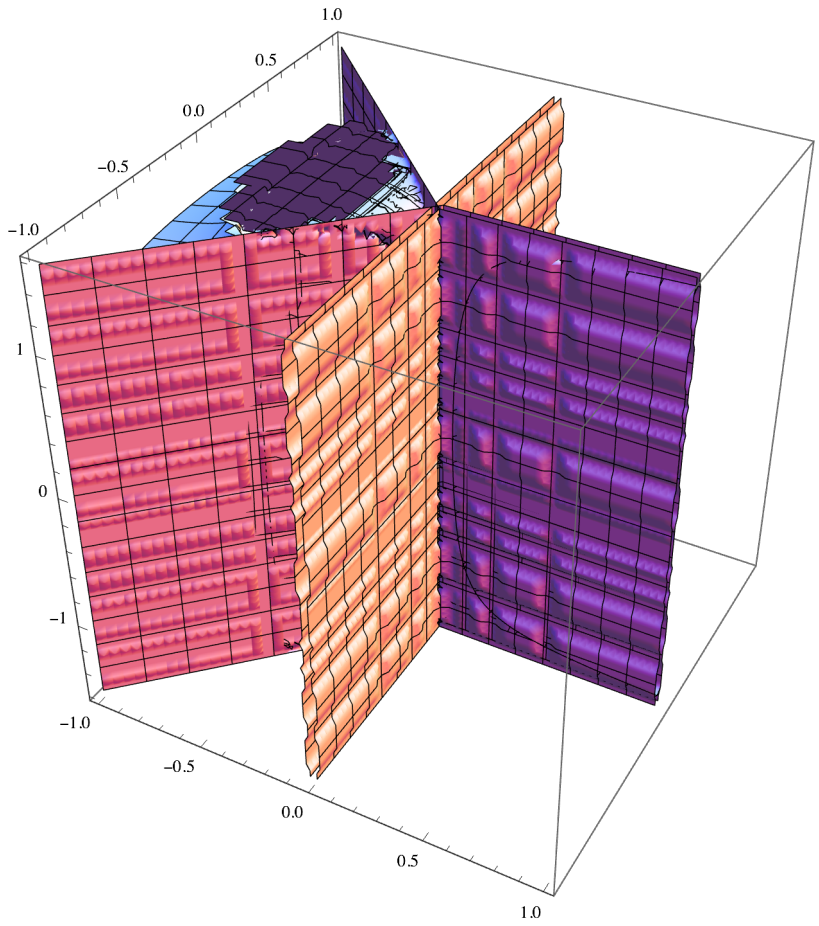
Infinity: Indeterminate expression 0. ComplexInfinity encountered.

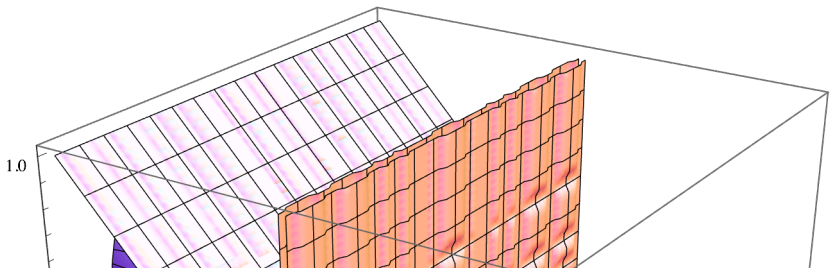
Power: Infinite expression $\frac{1}{0.}$ encountered.

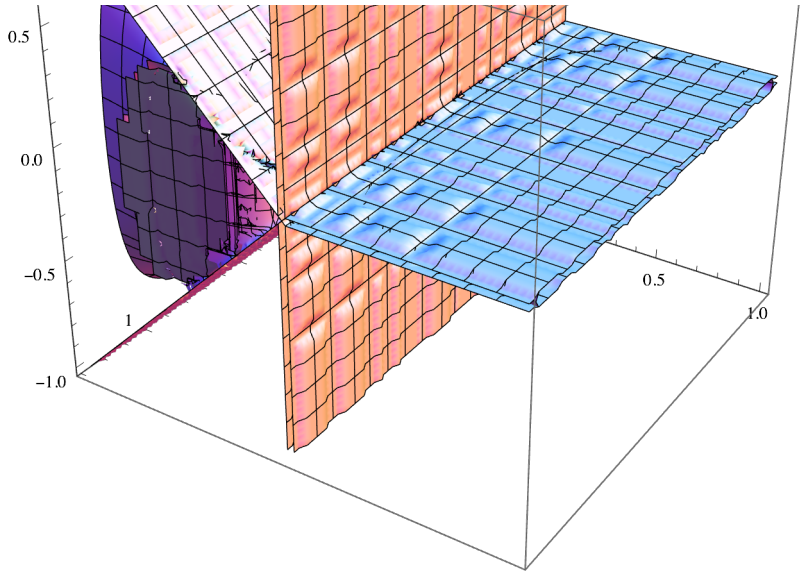
General: Further output of Power::infy will be suppressed during this calculation.

Infinity: Indeterminate expression 0. ComplexInfinity encountered.

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



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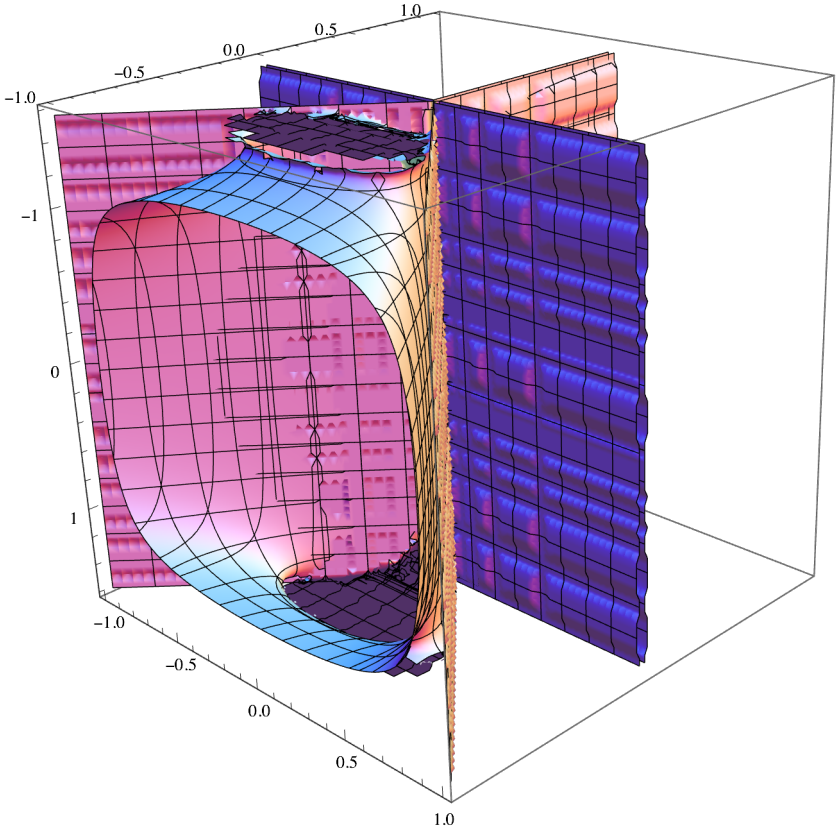
1
0.5
1.0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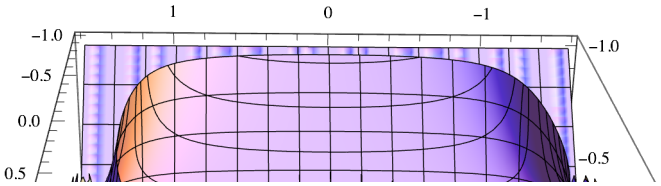
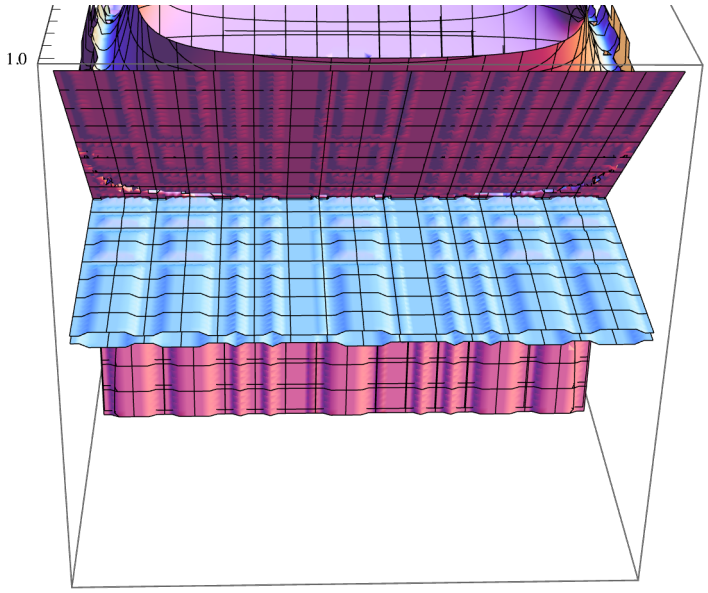
0.5
0.0
−0.5
−1.0
−1
0
1
−1.0
−0.5
0.0
0.5
1.0


1
0
−1
−1.0
−0.5
0.0
0.5
−1.0
−0.5



1. There exists a number such that infinity minus that number equals 1 from infinity in base infinity counting backward from infinity instead of forward from zero. Let that number be called $\aleph_1$, and it is written, "1∞" such that :

∞ - **n** = $\aleph_n$ = **"n∞"** observing the form of the following pattern :

01 = 0 + 1; ∞ - 1 = 1 ∞ = 1 ∞∞ = 1 ∞∞∞, etc. 02 = 0 + 2, ∞ - 2 = 2 ∞

03 = 0 + 3; ∞ - 3 = 3 ∞

04 = 0 + 4; ∞ - 4 = 4 ∞

05 = 0 + 5; ∞ - 5 = 5 ∞

06 = 0 + 6; ∞ - 6 = 6 ∞

07 = 0 + 7; ∞ - 7 = 7 ∞

08 = 0 + 8; ∞ - 8 = 8 ∞

09 = 0 + 9; ∞ - 9 = 9 ∞

10 = 0 + 10, ∞ - 10 = ∞1

2. Furtheremore, there exists an infinity that can be written in ***base infinity***, **with infinity as the index origin**,
the order of the digits of which is written : **{∞, $\aleph_1$, $\aleph_2$, $\aleph_3$ ... 9, 8, 7, 6, 5, 4, 3, 2, 1}**

Counting in this way is philosophically more sensical than counting forward from zero for a number of reasons. Primarily, because it makes sense that the number of things comes from the concept of, "everything," rather than coming from nothing, and we also get to establish a meaningful concept of infinity's eternality in a geometric framework as well.

3. Also, there exists an infinite number of ways of writing infinity, all of which are synonymous with infinity and contained in this expression of infinity if one ends infinity in infinity, which is both the base and the index origin, i.e. **{∞, $\aleph_1$, $\aleph_2$, $\aleph_3$ ... $\aleph_n$ ... ∞1, 9, 8, 7, 6, 5, 4, 3, 2, 1, ∞}.**

$$\text{"}\pi\ *10^{\infty}\text{"} == \pi\ * \infty 1^{\infty} == \left(\frac{\mathbf{C}[\{\infty,\ \aleph_1,\ \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3,\ 2, 1, \infty\}]}{\mathbf{D}[\{\infty,\ \aleph_1,\ \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3,\ 2, 1\}]}\right) *$$

$$\begin{pmatrix} \infty_{(\infty_r \to 0_{-\gamma})} & \infty_{\left(\infty_\gamma \to \left(\frac{1}{\infty}\right)_x\right)} \\ \infty_{((2\pi)_\theta \to \phi_x)} & \infty_{\left(\{\infty, \aleph_1, \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3, 2, 1\}_c \to \left(\frac{1}{\phi 0}\right)_r\right)} \end{pmatrix}$$

Irrational numbers ... for one would always find that pattern after infinity and before infinity.

Furthermore, infinity can be written in an infinitely dimensional matrix.

$$\begin{pmatrix} \{\infty,\ \aleph_1,\ \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3,\ 2, 1\} \\ \{\infty,\ \aleph_1,\ \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3,\ 2, 1, \infty\} \end{pmatrix} \begin{pmatrix} \infty_{(\infty_r \to 0_{-\gamma})} & \infty_{\left(\infty_\gamma \to \left(\frac{1}{\infty}\right)_x\right)} \\ \infty_{((2\pi)_\theta \to \phi_x)} & \pi \end{pmatrix}$$

Thread: Objects of unequal length in {{∞, ℵ1, ℵ2, ∞1 ((Subscript[≪2≫] ...) ℵn ...), 9, 8, 7, 6, 5, 4, 3, 2, 1}} $\{\infty_{\infty_r \to 0_{-\gamma}}, \infty_{\infty_\gamma \to 0_x}\}$ cannot be combined.

Thread: Objects of unequal length in {{∞, ℵ1, ℵ2, ∞1 ((Subscript[≪2≫] ...) ℵn ...), 9, 8, 7, 6, 5, 4, 3, 2, 1, ∞}} $\{\infty_{2\pi_\theta \to \phi_x}, \pi\}$ cannot be combined.

$$\left\{\{\{\infty,\ \aleph_1,\ \aleph_2,\ \infty 1\ ((\aleph_3 \ldots)\ \aleph_n \ldots),\ 9,\ 8,\ 7,\ 6,\ 5,\ 4,\ 3,\ 2,\ 1\}\}\ \{\infty_{\infty_r \to 0_{-\gamma}}, \infty_{\infty_\gamma \to 0_x}\},\ \{\{\infty,\ \aleph_1,\ \aleph_2,\ \infty 1\ ((\aleph_3 \ldots)\ \aleph_n \ldots),\ 9,\ 8,\ 7,\ 6,\ 5,\ 4,\ 3,\ 2,\ 1,\ \infty\}\}\ \{\infty_{2\pi_\theta \to \phi_x}, \pi\}\right\}$$

Let the infinitely large varieties of irrational numbers be written Abs[*expr* **]**

Therefore, it can be said that the

Unlike Cantor' s theory on the nature of infinity, I do not consider that there is more that some infinities are larger than others, as Cantor does, instead I describe different philosophical meanings of infinity with the intermixing of relevant concepts based on geometric limits and the location of variables within a geometric transformation. Yes, it may be true that there are some sets that are larger than others, and all of those sets may be infinite, but that does not mean that they are the actual infinity. Instead, what has happened is that numbers have been neglected and lumped together as the term infinity to draw contradictions, where instead, the conclusion of unification should be drawn with only differentiations of meaning happening either geometrically or philosophically on the question of whether or not infinity loops back on itself if one is counting back from infinity. In fact, while I' m only mildly familiar with Cantor' s theory, it may be that the fact that up until this point, everyone has been mostly counting forward from zero instead of back from infinity that the fundamental problems with Cantor' s theory arose, "to begin with." And if, as often happens with the development of philosophy through the ages, one should find issues with the concept that infinity can numerically be summed up by a totality of terms (even if infinity is one of them), or if the critique is that the argument is somehow tautological, please remember that there are differentiations of meanings of infinity and allow this description of the kinds of infinity and their rates to at least differentiate these meanings and perhaps bring an interesting perspective lense to your life.

7. Discussions on the Nature of Acceleration and Non-

Commutation: Constrained Models and Generalized Propositions for Light Speed

The following is a method for solving for the speed of light, c within a constrained change in circumference as arc length system and I show how it is actually Indeterminate. If one replaces the concept of time with higher dimensionality, which is embedded in the simple difference equations (expressions) between (for) varying Platonic/Pythagorean shapes such as cones, circles, circumferences thereof, ellipses, volumes of tetrahedrons, dodecahedrons, etc. then it doesn' t much make sense for light to have a speed after all, because the very concept of speed depends on some conception of time, of which there is no valid or necessary existence. In this way, algebraically, light' s, "speed," is evidentiary of an emulation of infinity from a common sense perspective, but also from an algebraic perspective non - commutationally. Here, in this particular configuration of V - curvature' s relation to acceleration, and that' s not to say that there aren' t many different possible arrangements and equalities that can be posited, but rather, in this particular situation, we take the derivative of V, indicating the change in V - Curvature (an implicit, "inner," dimension) with respect to angular variables of the system, and we set that equal to the height of the cone, because the height of the cone has an increasing rate of change with respect to theta already in the algebraic structure. It is, essentially, "accelerating," with respect to theta already in a dimensional, non - conceptually temporal sense.

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

$$\left\{\left\{v \to -\frac{1.\sqrt{-1.12941\times 10^{18}\,\theta + 8.98755\times 10^{16}\,\theta^2 + 3.54814\times 10^{18}\,\text{Sin}[\beta]^2}}{\sqrt{-12.5664\,\theta + \theta^2 + 39.4784\,\text{Sin}[\beta]^2}}\right\},\right.$$

$$\left.\left\{v \to \frac{\sqrt{-1.12941\times 10^{18}\,\theta + 8.98755\times 10^{16}\,\theta^2 + 3.54814\times 10^{18}\,\text{Sin}[\beta]^2}}{\sqrt{-12.5664\,\theta + \theta^2 + 39.4784\,\text{Sin}[\beta]^2}}\right\}\right\}$$

$$\left(\sqrt{\left(-1.1294090667581471`*^18\,\theta + 8.987551787368176`*^16\,\theta^2 + 3.5481432270250993`*^18\,\text{Sin}[\beta]^2\right)}\right) \Big/ \left(\sqrt{-12.566370614359172`\,\theta + \theta^2 + 39.47841760435743`\,\text{Sin}[\beta]^2}\right) = \frac{\sqrt{c^2\,\theta^2 + 4\,c^2\,\pi^2\,\text{Sin}[\beta]^2 - 8\,c^2\,\pi\left(\pi + \sqrt{\pi^2 - \pi^2\,\text{Sin}[\beta]^2}\right)}}{\sqrt{-4\,\pi\,\theta + \theta^2 + 4\,\pi^2\,\text{Sin}[\beta]^2}}$$

$$\text{Simplify}\left[\left(\sqrt{\left(-(4\,\pi\,c\text{^}2)\left(2\left(\pi + \sqrt{\pi^2 - \pi^2\,\text{Sin}[\beta]^2}\right)\right) + (c\text{^}2)\,\theta^2 + (4\,\pi\text{^}2\,c\text{^}2)\,\text{Sin}[\beta]^2\right)}\right) \Big/ \left(\sqrt{-(4\,\pi)\,\theta + \theta^2 + (4\,\pi\text{^}2)\,\text{Sin}[\beta]^2}\right)\right]$$

$$\frac{\sqrt{-c^2\left(-\theta^2 + 8\,\pi^2\left(1 + \sqrt{\text{Cos}[\beta]^2}\right) - 4\,\pi^2\,\text{Sin}[\beta]^2\right)}}{\sqrt{\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2}} = v$$

If c were a constant, then the derivative of the curvature would be :

$$D\left[D\left[\frac{\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}}{\sqrt{\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2}},\theta\right],\beta\right]$$

$$\frac{6\pi^2\,(-4\pi+2\theta)\,\text{Cos}[\beta]\,\text{Sin}[\beta]\,\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{5/2}}-$$

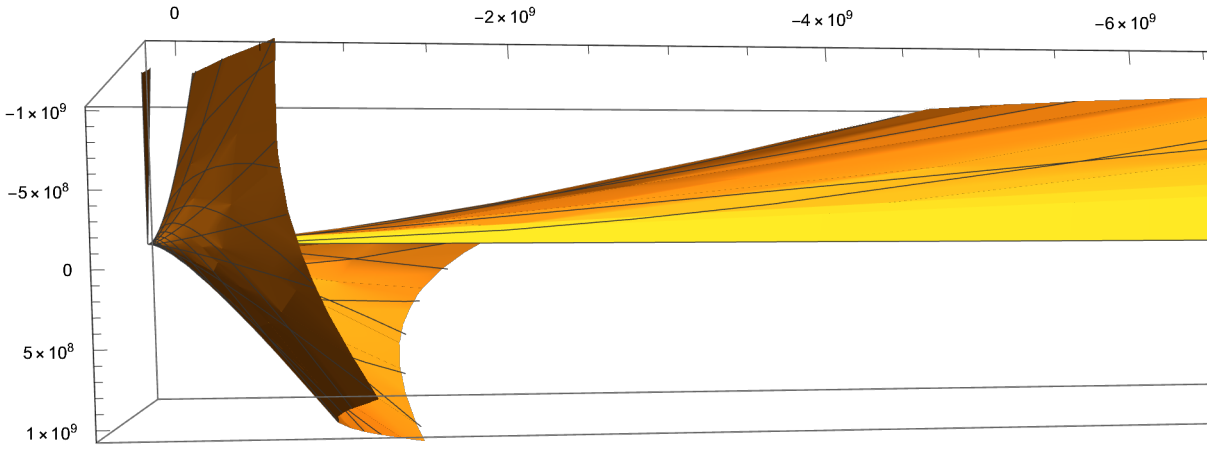
$$\frac{4c^2\pi^2\theta\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^2\,(-4\pi+2\theta)\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{4\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^4\,\theta\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{2\left(-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)\right)^{3/2}\sqrt{\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2}}$$

The derivative of this quintessentially, phenomenologically reduced, non - commutative embedded algebraic function coined, "V-Curvature," is an entirely new concept, but as I will show in the following chapter, it is essentially equivalent to and embedded within an elliptical polylogarithmic functionality when one attempts to equate it with an archaic concept like distance, acceleration or velocity . It can be considered a, "velocity," ratio in archaic, traditional terminology and purported, organic "human," experiential belief systems, because it is originally postulated from the Lorentz Coefficient, which has its origins in Elliptical Equations, and it is a ratio of multiple velocities with very precise configurations of complexly fractionally dimensional angular, trigonometric functions . We are, after all, attempting to show, step by step, that up until this supposedly, "modern," age, our simplistic conception of reality as packagable into easy to manage monad variable functions is not really adequate to describe even simple realizations of consciousness in actuality when one is deducing their perceptions from basic difference equations with more or less constraints . While what we are looking at is colloquially refered to as an acceleration of a material curvature, we will show that when you liberate constraints on the system, the results offer even more flexability to the user . Essentially, it is one element of what could mechanically be considered like a transmission for consciousness if it were analogous to a vehicle . Hence the later chapters and analogies to tantra, mantra and the, "great vehicle."

```
SphericalPlot3D[
 6 π^2 (-4 π + 2 θ) Cos[β] Sin[β] Sqrt[-c^2 (-θ^2 + 8 π^2 (1 + Sqrt[Cos[β]^2]) - 4 π^2 Sin[β]^2)] /
  (θ (-4 π + θ) + 4 π^2 Sin[β]^2)^(5/2) -
 4 c^2 π^2 θ Cos[β] Sin[β] /
  (Sqrt[-c^2 (-θ^2 + 8 π^2 (1 + Sqrt[Cos[β]^2]) - 4 π^2 Sin[β]^2)] (θ (-4 π + θ) + 4 π^2 Sin[β]^2)^(3/2)) +
 c^2 (-4 π + 2 θ) (-8 π^2 Cos[β] Sin[β] - 8 π^2 Cos[β] Sin[β] / Sqrt[Cos[β]^2]) /
  (4 Sqrt[-c^2 (-θ^2 + 8 π^2 (1 + Sqrt[Cos[β]^2]) - 4 π^2 Sin[β]^2)] (θ (-4 π + θ) + 4 π^2 Sin[β]^2)^(3/2)) +
 c^4 (θ) (-8 π^2 Cos[β] Sin[β] - 8 π^2 Cos[β] Sin[β] / Sqrt[Cos[β]^2]) /
  (2 (-c^2 (-θ^2 + 8 π^2 (1 + Sqrt[Cos[β]^2]) - 4 π^2 Sin[β]^2))^(3/2) Sqrt[θ (-4 π + θ) + 4 π^2 Sin[β]^2]),
 {β, 0, π / 2}, {θ, 0, 2 π}, PlotTheme → "Orange"]
```



$$\text{SphericalPlot3D}\Bigg[\Bigg(6\pi^2\left(-4\pi+2\times 2\left(\pi+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)\right)\text{Cos}[\beta]\,\text{Sin}[\beta]$$
$$\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\Bigg)\Big/\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{5/2}-$$
$$\frac{4c^2\pi^2\theta\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$
$$\frac{c^2\,(-4\pi+2\theta)\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{4\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$
$$\left(c^4\,\theta\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)\right)\Big/$$
$$\left(2\left(-c^2\left(-\left(2\left(\pi+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)\right)^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)\right)^{3/2}\right.$$
$$\left.\sqrt{\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2}\right),\{\beta,0,\pi/2\},\{\theta,0,2\pi\},\text{PlotTheme}\to\text{"Classic"}\Bigg]$$

PolynomialQ: Indeterminate expression $8\pi\left(-\pi\sqrt{\text{Cos}[\beta]^2}+\pi\sqrt{1-\text{Sin}[\ll 1\gg]^2}\right)$ encountered.

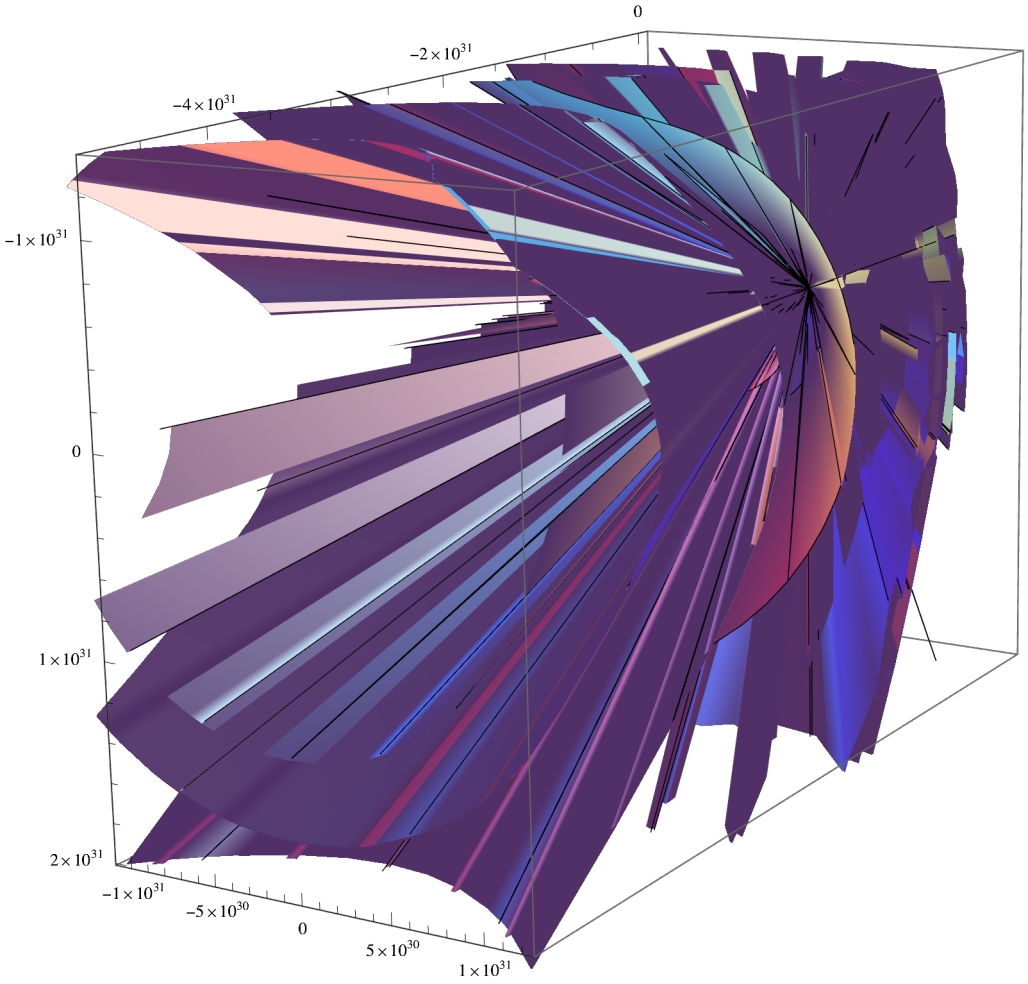
PolynomialQ: Indeterminate expression $8\pi\left(-\pi\sqrt{\text{Cos}[\beta]^2}+\pi\sqrt{1-\text{Sin}[\ll 1\gg]^2}\right)$ encountered.

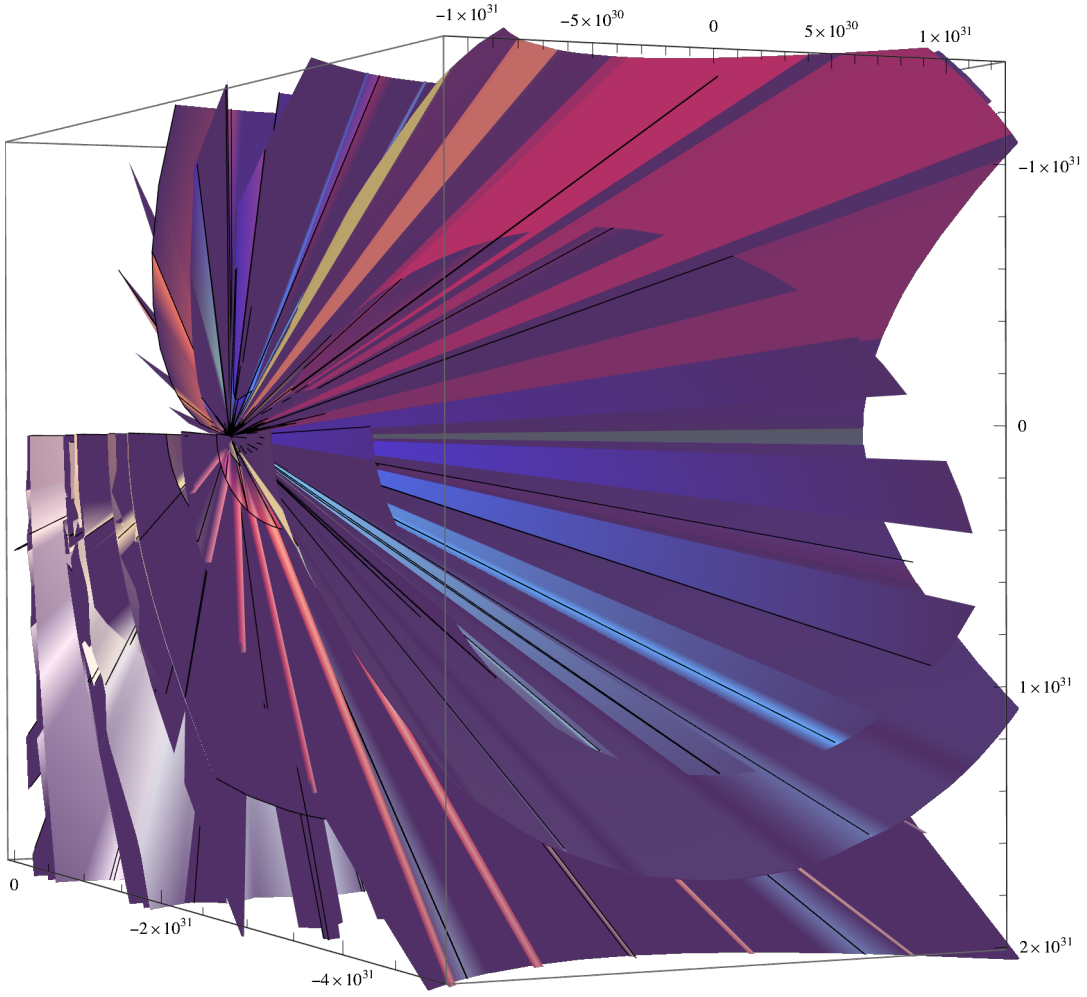
Power: Infinite expression $\frac{1}{0.}$ encountered.

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

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

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


0
−2×10^31
−4×10^31
−1×10^31
0
1×10^31
2×10^31
−1×10^31
−5×10^30
0
5×10^30
1×10^31



$$\text{Solve}\left[\frac{6\pi^2\,(-4\pi+2\theta)\,\text{Cos}[\beta]\,\text{Sin}[\beta]\,\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{5/2}}-\right.$$

$$\frac{4c^2\pi^2\theta\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^2\,(-4\pi+2\theta)\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{4\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\left.\frac{c^4\,\theta\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{2\left(-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)\right)^{3/2}\sqrt{\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2}}==\right.$$

$$\left.\frac{\sqrt{4\pi r^2\theta-r^2\theta^2}}{2\pi},\,r\right]$$

$$\left\{\left\{r \to -\frac{1}{\sqrt{\theta}\ \sqrt{-4\pi+\theta}}\, c\, \pi \sqrt{\left(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^3}+\right.\right.\right.$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{7\,\text{Sin}[\beta]^2}{8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^5}-\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^5}+\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\left.\left.\left.\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\text{Cos}[\beta]^2}-4\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^5}+\right.\right.\right.$$

$$\frac{294\,912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\text{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\Bigg\},$$

$$\left\{\text{r}\to\frac{1}{\sqrt{\theta}\,\sqrt{-4\,\pi+\theta}}\,\text{c}\,\pi\,\sqrt{\left(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\right.\right.$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{7\,\text{Sin}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{294\,912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\text{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4 \, \text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} -$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} -$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2} -$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} + \frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} +$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} +$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} +$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2} +$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)} -$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right\}\}$$

**Algebra, geometry, differential equations, calculus,
fractal sets - all of these have investigations into infinity of their own. However,
in these systems, infinity holds different meanings. So,
using the conic orbifold theory of paradox,
(The Cone of Perception 4 th Edition, Emmerson 2009 - 2012,
Chapter XXII. Revelations of and Infinite Angle, Page 529), one would be led to
draw a potentially useful halting mechanism for the sake of visual investigation :**

$$\text{Solve}\Bigg[\left(4\,\pi\,\gamma+\gamma^2-\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]-4\,\pi^2\,\text{Sin}[\beta]^2-4\,\pi\,\gamma\,\text{Sin}[\beta]^2-\gamma^2\,\text{Sin}[\beta]^2-\right.$$

$$\frac{\pi\,\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\text{Sin}[\beta]^3}{\sqrt{4\,\pi+\gamma}}+\frac{\pi\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3}{\sqrt{\gamma}}+$$

$$\left.\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3\right)\Big/$$

$$\left(\pi\left(-16\,\pi\,\gamma-4\,\gamma^2+16\,\pi^2\,\text{Sin}[\beta]^2+16\,\pi\,\gamma\,\text{Sin}[\beta]^2+4\,\gamma^2\,\text{Sin}[\beta]^2\right)\right)==$$

$$\frac{1}{\sqrt{\theta}\ \sqrt{-4\pi+\theta}}\, c\, \pi \sqrt{\left(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\right.}$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{7\,\text{Sin}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{294\,912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\text{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\Bigg),\ c\Bigg]$$

$$\Bigg\{\Bigg\{c\to\Bigg(\sqrt{\theta}\ \sqrt{-4\,\pi+\theta}\ \Bigg(4\,\pi\,\gamma+\gamma^2-\sqrt{\gamma}\ \sqrt{(2\,\pi+\gamma)^2}\ \sqrt{4\,\pi+\gamma}\ \text{Sin}[\beta]-$$

$$4\,\pi^2\,\text{Sin}[\beta]^2-4\,\pi\,\gamma\,\text{Sin}[\beta]^2-\gamma^2\,\text{Sin}[\beta]^2-\frac{\pi\,\sqrt{\gamma}\ \sqrt{(2\,\pi+\gamma)^2}\ \text{Sin}[\beta]^3}{\sqrt{4\,\pi+\gamma}}+$$

$$\frac{\pi\,\sqrt{(2\,\pi+\gamma)^2}\ \sqrt{4\,\pi+\gamma}\ \text{Sin}[\beta]^3}{\sqrt{\gamma}}+\sqrt{\gamma}\ \sqrt{(2\,\pi+\gamma)^2}\ \sqrt{4\,\pi+\gamma}\ \text{Sin}[\beta]^3\Bigg)\Bigg)\Big/$$

$$\left(\pi^2\ \left(-16\,\pi\,\gamma-4\,\gamma^2+16\,\pi^2\,\text{Sin}[\beta]^2+16\,\pi\,\gamma\,\text{Sin}[\beta]^2+4\,\gamma^2\,\text{Sin}[\beta]^2\right)\right.$$

$$\sqrt{\left(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\right.}$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{7\,\text{Sin}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\left.\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,\left(-4\,\pi+\theta\right)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+\right.$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{294\,912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\text{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\right\}\Big\}$$

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ContourPlot3D[
 (Sqrt[θ] Sqrt[-4 π + θ] (4 π γ + γ^2 - Sqrt[γ] Sqrt[(2 π + γ)^2] Sqrt[4 π + γ] Sin[β] - 4 π^2 Sin[β]^2 -
     4 π γ Sin[β]^2 - γ^2 Sin[β]^2 - (π Sqrt[γ] Sqrt[(2 π + γ)^2] Sin[β]^3)/Sqrt[4 π + γ] +
     (π Sqrt[(2 π + γ)^2] Sqrt[4 π + γ] Sin[β]^3)/Sqrt[γ] + Sqrt[γ] Sqrt[(2 π + γ)^2] Sqrt[4 π + γ] Sin[β]^3))/
```

$$\left(\pi^2 \left(-16\,\pi\,\gamma - 4\,\gamma^2 + 16\,\pi^2\,\text{Sin}[\beta]^2 + 16\,\pi\,\gamma\,\text{Sin}[\beta]^2 + 4\,\gamma^2\,\text{Sin}[\beta]^2\right)\right.$$

$$\sqrt{\left(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} + \right.$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} -$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} -$$

$$\frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{7\,\text{Sin}[\beta]^2}{8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2} +$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} - \frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} -$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} + \frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} -$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} +$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{294\,912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\text{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

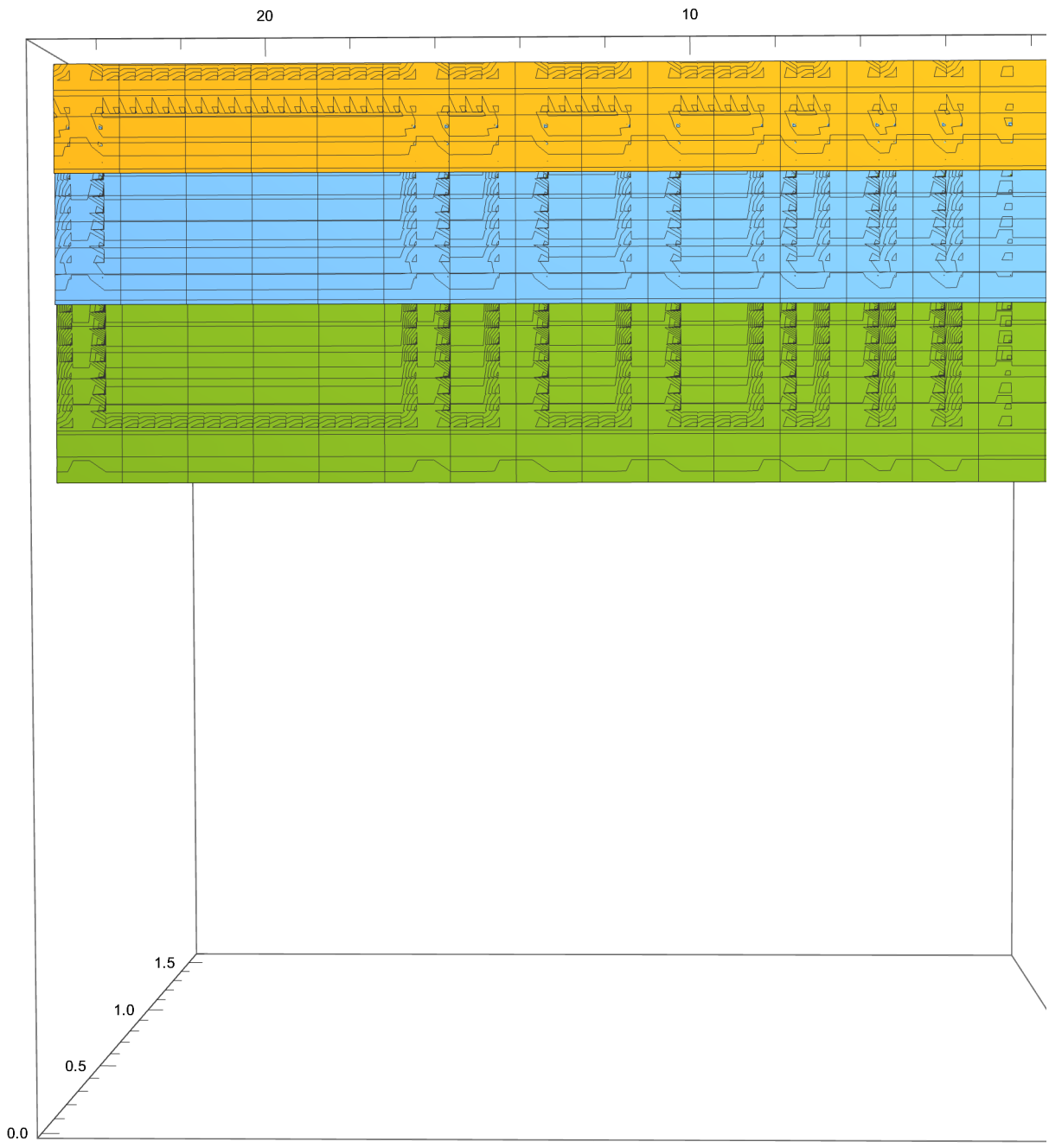
$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\right),$$

$$\{\theta,\,0,\,2\,\pi\},\,\{\beta,\,0,\,\pi/2\},$$

$$\{\gamma,\,0,\,8\,\pi\}\Big]$$



8. Liberation: Liberating Constraints on the Difference Equation and the Resulting Equalities with V-Curvature (Components for Worm Holes) and Methods for Solving Non-Elementary Integrals

8.1 - Basic Postulates for Non-Commutative, Algebraic Dimensionality (Transformational V-Curvature in the System)

```
Solve[z θ == r α - Sqrt[r^2 - η^2] δ, η]
```

$$\left\{\left\{\eta \to -\frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta}\right\}, \left\{\eta \to \frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta}\right\}\right\}$$

```
FullSimplify[Sqrt[-(r^2 α^2) + r^2 δ^2 + 2 r z α θ - z^2 θ^2] / δ]
```

$$\frac{\sqrt{-(r\,(\alpha-\delta) - z\,\theta)\,(r\,(\alpha+\delta) - z\,\theta)}}{\delta}$$

$$\frac{\sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)} - 1\right)\,(z\,\theta)\,\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)} - 1\right)\,(z\,\theta)}}{\delta}$$

```
sqrt (-(r (α - δ) - θ z) (r (α + δ) - θ z)) / δ
```

$$\frac{\sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)} - 1\right)\,(z\,\theta)\,\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)} - 1\right)\,(z\,\theta)}}{\delta}$$

$$\frac{\sqrt{(z\,\theta)}\,\sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)} - 1\right)\,\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)} - 1\right)}}{\delta}$$

$$\frac{\sqrt{\theta}\,\sqrt{z}\,\sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)} - 1\right)\,\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)} - 1\right)}}{\delta}$$

$$\frac{\sqrt{\theta \Big/ \sqrt{1 - \frac{(v)^2}{c^2}}}\,\sqrt{\sqrt{1 - \frac{(v)^2}{c^2}}\,z}\,\sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)} - 1\right)\,\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)} - 1\right)}}{\delta}$$

```
Solve[Sqrt[θ / Sqrt[1 - (v)^2/c^2]] Sqrt[Sqrt[1 - (v)^2/c^2] z] Sqrt[-(r (α - δ)/(z θ) - 1) (r (α + δ)/(z θ) - 1)] / δ == η, v]
```

$$\left\{\left\{v \to -\left(\left(1.\,\sqrt{\left(8.98755\times10^{16}\,r^2\,\alpha^2 - 8.98755\times10^{16}\,r^2\,\delta^2 - 1.79751\times10^{17}\,r\,z\,\alpha\,\theta + 8.98755\times10^{16}\,z\,\delta^2\,\eta^2\,\theta + 8.98755\times10^{16}\,z^2\,\theta^2\right)}\right) \Big/ \left(\sqrt{r^2\,\alpha^2 - 1.\,r^2\,\delta^2 - 2.\,r\,z\,\alpha\,\theta + z\,\delta^2\,\eta^2\,\theta + z^2\,\theta^2}\right)\right)\right\},$$

$$\left\{v \to \left(\sqrt{\left(8.98755\times10^{16}\,r^2\,\alpha^2 - 8.98755\times10^{16}\,r^2\,\delta^2 - 1.79751\times10^{17}\,r\,z\,\alpha\,\theta + 8.98755\times10^{16}\,z\,\delta^2\,\eta^2\,\theta + 8.98755\times10^{16}\,z^2\,\theta^2\right)}\right) \Big/ \left(\sqrt{r^2\,\alpha^2 - 1.\,r^2\,\delta^2 - 2.\,r\,z\,\alpha\,\theta + z\,\delta^2\,\eta^2\,\theta + z^2\,\theta^2}\right)\right\}\right\}$$

$$v == \frac{\sqrt{c^2\, r^2\, \alpha^2 - c^2\, r^2\, \delta^2 - 2\, c^2\, r\, z\, \alpha\, \theta + c^2\, z\, \delta^2\, \eta^2\, \theta + c^2\, z^2\, \theta^2}}{\sqrt{r^2\, \alpha^2 - 1.`\, r^2\, \delta^2 - 2.`\, r\, z\, \alpha\, \theta + z\, \delta^2\, \eta^2\, \theta + z^2\, \theta^2}}$$

It should be noted that the principle between V - Curvature in previous chapters,
which was shown to be able to be either canceled out
or allowed to spontaneously be perceived by logical insight,
is found in principle the same, but it has now evolved to include more variables,
allowing more flexibility. For that reason,
and because we can manipulate the topological form,
we can better call the function, "Non-Commutative, Algebraic
Dimensionality (**Transformational** V-Curvature in the System)."

8.2 Solutions to variables in the system of liberated constraints:

The statement :

$$\frac{\sqrt{-r^2\, \alpha^2 + r^2\, \delta^2 + 2\, r\, z\, \alpha\, \theta - z^2\, \theta^2}}{\delta}$$

can be likened to acceleration or decceleration. The great
thing about this theory is that it relates to Dark Matter,
because so far all we have been able to observe about,
"Dark Matter," is that it is inferred from observations
about the acceleration of galaxies. Therefore, it stands to
reason that the best investigations we as humans can make into,
"Dark Matter," in the near future will come from philosophy ,
Platonic / Pythagorean mathematics and thought experiments. Firstly,
philosophically,
it will be useful to discuss the seen and unseen and the different kinds
of meanings of seen and unseen. These discussions will take place
in the following chapters on the nature of Dark Matter. However,
here it is safe to say that our concept of acceleration
is perhaps near sighted, and in reality,
velocity can be shown to be correlated to imaginary numbers,
which are perhaps improperly named,
because all numbers are imaginary other than infinity. For a long time,
philosphers and especially Buddhists have attempted to transverse
or transcend the dialectic / dual nature of arguing over the
existence or non existence of zero. With these theories,
and thos in the following chapters, we find how the imagination,
both conceptually and numerically generates the constraints
and boundaries of tangible reality. We also get to gain insight

into religious ideas, because infinity is within you,
just as Jesus stated that the kingdom of heaven is within you.

Since "$\frac{\sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r z \alpha \theta - z^2 \theta^2}}{\delta}$"

can be likened to acceleration or decceleration,
it stands to reason that the integral of this would be akin to velocity.

Also, with regard to relativity, which is presently the
state of the art in philosophical theories on physics,
space and time are united, not considered as separate,
so we will integrate based on distances and angles,
both of which may change within the framework.

Even if one doubts the verifiability or veritability of these equations as useful for describing or discussing aspects of light and its function in the Universe (that all that is), this serves as an example of how one would go about solving difference equations with five variables, that they indeed can be solved, paired together and generate functions that can be visualized as transformations. However, if one does accept the generalized forms as potentially innate forms from the intermechanics of algebra, one would then find them extremely helpful in ***revolutionizing the concept of light.*** A next step would be patching the solutions to the equations together to describe previously inexplicable phenonemena by changing one's perspective, and understanding that light and material is not just what we interact with, are made out of and believe we see with our eyes, but is *actually explicitly intertwined with our higher dimensional consciousness as an ascended being from the commonly conceived material plane.*

Energy - It' s present throughout all of creation. It is what we call the fundamental element of which everything is made, through which all thoughts are had, and from which all perspectives taken, but not all forms of inferred existent forms of energy are currently describable with modern linguistic and computational methods and insights. As stated earlier, our perspective on how we use mathematics to describe energy probably need improvement, thus the Upanishad.

Change - Change is, after all, the fundamental language used throughout the sciences as notated through calculus, so it is fitting that scientific concepts and linguistics descriptions thereof ought also change as our perspectives evolve.

Pathways - Pathways are so important in all of the evolving sciences, because they are, after all, how energy is transferred and exchanged, how electricity moves and why thermodynamically, conductive and interactive materials are fabricated for different applications and functions. So, then, it would also seem fitting to use the concept of pathways in our description of energy itself, for how else is something conceived of by the human mind and the consciousness than by a framework of neural pathways to describe phenomenologically and experientially that which is perceived (either logically or with the perceptual apparatus)? That aspect of reality which is inaccessible from a certain method or pathway can be considered as Dark Matter relative to certain perspectives - namely, perspectives that we may find ourselves inside. Whereas, from another perspective or method, we can actually find a pathway to equate with what we formerly believed inaccessible.

Take for instance, the following example :

In[•]:=
$$\text{Solve}\left[z\,\theta == r\,\alpha - \sqrt{r^2 - (x\,\text{Sin}[\beta])^2}\;\delta,\ \beta\right]$$

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

Out[•]=
$$\left\{\left\{\beta \to -\text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\ (-r\,\alpha + r\,\delta + z\,\theta)}{x^2\,\delta^2}}\right]\right\},\ \left\{\beta \to \text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\ (-r\,\alpha + r\,\delta + z\,\theta)}{x^2\,\delta^2}}\right]\right\}\right\}$$

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

Out[•]=
$$\left\{\left\{\delta \to -\frac{i\,\sqrt{r^2 - x^2}\ (r\,\alpha - z\,\theta)}{r\,\sqrt{-r^2 + x^2}}\right\},\ \left\{\delta \to \frac{i\,\sqrt{r^2 - x^2}\ (r\,\alpha - z\,\theta)}{r\,\sqrt{-r^2 + x^2}}\right\}\right\}$$

In[•]:=
$$\text{Solve}\left[\frac{i\,(r\,\alpha - z\,\theta)}{r\,\sqrt{-1 + \text{Sin}[\beta]^2}} == \frac{i\,\sqrt{r^2 - x^2}\ (r\,\alpha - z\,\theta)}{r\,\sqrt{-r^2 + x^2}},\ r\right]$$

Out[•]=
$$\left\{\left\{r \to \frac{z\,\theta}{\alpha}\right\}\right\}$$

$$\text{Solve}\left[z\,\theta == r\,\alpha - \sqrt{r^2 - (r\,\text{Sin}[\beta])^2}\;\delta,\ \beta\right]$$

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

$$\left\{\left\{\beta \to -\text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\ (-r\,\alpha + r\,\delta + z\,\theta)}{r^2\,\delta^2}}\right]\right\},\ \left\{\beta \to \text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\ (-r\,\alpha + r\,\delta + z\,\theta)}{r^2\,\delta^2}}\right]\right\}\right\}$$

$$\text{Solve}\left[z\,\theta == r\,\alpha - \sqrt{r^2 - \eta^2}\;\delta,\ \eta\right]$$

$$\left\{\left\{\eta \to -\frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta}\right\},\ \left\{\eta \to \frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta} == r\,\text{Sin}[\beta],\ r\right]$$

$$\left\{\left\{r \to \frac{z\,\theta}{\alpha - \delta\,\text{Cos}[\beta]}\right\},\ \left\{r \to \frac{z\,\theta}{\alpha + \delta\,\text{Cos}[\beta]}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2rz\alpha\theta-z^2\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,z\right]$$

$$\left\{\left\{z\to\frac{r\alpha-r\delta\,\text{Cos}[\beta]}{\theta}\right\},\left\{z\to\frac{r\alpha+r\delta\,\text{Cos}[\beta]}{\theta}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2rz\alpha\theta-z^2\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,\alpha\right]$$

$$\left\{\left\{\alpha\to\frac{z\theta-r\delta\,\text{Cos}[\beta]}{r}\right\},\left\{\alpha\to\frac{z\theta+r\delta\,\text{Cos}[\beta]}{r}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2rz\alpha\theta-z^2\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,\delta\right]$$

$$\left\{\left\{\delta\to-\frac{i\,(r\alpha-z\theta)}{r\sqrt{-1+\text{Sin}[\beta]^2}}\right\},\left\{\delta\to\frac{i\,(r\alpha-z\theta)}{r\sqrt{-1+\text{Sin}[\beta]^2}}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2rz\alpha\theta-z^2\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,\theta\right]$$

$$\left\{\left\{\theta\to\frac{r\alpha-r\delta\,\text{Cos}[\beta]}{z}\right\},\left\{\theta\to\frac{r\alpha+r\delta\,\text{Cos}[\beta]}{z}\right\}\right\}$$

8.3 Integrating Impossible Integrals by Substitution of Known Trigonometric Equivalencies and then Known Solutions from the Difference Equation.

$$\eta=r\,\text{Sin}[\beta]=\frac{z\theta}{\alpha+\delta\,\text{Cos}[\beta]}\,\text{Sin}[\beta]=\frac{z\theta}{\alpha+\delta\,\text{Cos}\left[\text{ArcSin}\left[\sqrt{\frac{(r\alpha+r\delta-z\theta)\,(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}\right]\right]}$$

$$\text{Sin}\left[\text{ArcSin}\left[\sqrt{\frac{(r\alpha+r\delta-z\theta)\,(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}\right]\right]=\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2rz\alpha\theta-z^2\theta^2}}{\delta}$$

At first,
one would be led to believe that it is impossible to integrate fully :

$$\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2rz\alpha\theta-z^2\theta^2}}{\delta}$$

with respect to all the potentially changing variables. However,
upon further examination of the system,
we find that we can find a way to integrate with respect to the same variables if we rewrite our system in terms of an equally valid postulate / equivalency and include the structural data from the height solution. This gives us not only a solution to the integral,
but also a way to investigate and gain insight on what the integrals

are of things formerly thought to be not capable of anti - derivation (integration) are.

$$\int\int\int\int\int r\,\text{Sin}\left[\text{ArcSin}\left[\sqrt{\frac{(r\alpha+r\delta-z\theta)\,(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}\right]\right]\mathrm{d}r\,\mathrm{d}\delta\,\mathrm{d}\alpha\,\mathrm{d}\theta\,\mathrm{d}z$$

$$-\frac{1}{6}\,i\,r\,\delta\,\theta^3\int\int\left(\left(z^2\sqrt{\alpha^2-\delta^2}\,\sqrt{\frac{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\theta^2}{r^2\delta^2}}\right.\right.$$

$$\left.\text{Log}\left[2\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}-\frac{2\,i\left(r\left(\alpha^2-\delta^2\right)-z\,\alpha\,\theta\right)}{\sqrt{\alpha^2-\delta^2}}\right]\right)\Big/$$

$$\left.\left((-\alpha+\delta)\,(\alpha+\delta)\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\right)\right)\mathrm{d}\alpha\,\mathrm{d}z+$$

$$\frac{1}{6}\,i\,r\,\delta\int\int\int\left(\left(z^3\sqrt{\alpha^2-\delta^2}\,\theta^3\sqrt{\frac{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\theta^2}{r^2\delta^2}}\right.\right.$$

$$\left.\left(r\,\alpha\sqrt{\alpha^2-\delta^2}-z\sqrt{\alpha^2-\delta^2}\,\theta+i\,\alpha\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\right)\right)\Big/$$

$$\left((\alpha-\delta)\,(\alpha+\delta)\,(r\,(\alpha-\delta)-z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)\left(-i\,r\left(\alpha^2-\delta^2\right)+\right.\right.$$

$$\left.\left.i\,z\,\alpha\,\theta+\sqrt{\alpha^2-\delta^2}\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\right)\right)\mathrm{d}\alpha\,\mathrm{d}\theta\,\mathrm{d}z+$$

$$\frac{1}{2}\,r\int\int\int\int\frac{1}{(-\alpha+\delta)\,(\alpha+\delta)}\sqrt{\frac{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\theta^2}{r^2\delta^2}}$$

$$\left(-r\,\alpha^2+r\,\delta^2+z\,\alpha\,\theta-\left(z^2\delta^2\theta^2\left(-i\,r^2\left(\alpha^2-\delta^2\right)^{3/2}+r\left(\alpha^2-\delta^2\right)\sqrt{r\,(\alpha+\delta)-z\,\theta}\right.\right.\right.$$

$$\left.\left.\left.\sqrt{r\,(-\alpha+\delta)+z\,\theta}+z\,\alpha\,\theta\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\right)\right)\Big/$$

$$\left(\sqrt{\alpha^2-\delta^2}\,(r\,(\alpha+\delta)-z\,\theta)\,(r\,(-\alpha+\delta)+z\,\theta)\left(-i\,r\left(\alpha^2-\delta^2\right)+i\,z\,\alpha\,\theta+\right.\right.$$

$$\left.\left.\sqrt{\alpha^2-\delta^2}\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\right)\right)\mathrm{d}\delta\,\mathrm{d}\alpha\,\mathrm{d}\theta\,\mathrm{d}z$$

This form does not integrate with respect to the variables.

$$\int\int\int\int\int\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2\,r\,z\,\alpha\,\theta-z^2\theta^2}}{\delta}\,\mathrm{d}r\,\mathrm{d}\delta\,\mathrm{d}\alpha\,\mathrm{d}\theta\,\mathrm{d}z$$

$$\frac{1}{36}\int\left(-\frac{5}{2}\,i\,r\,z^2\theta^2-\frac{4\,i\,z^3\theta^3}{3\,\alpha}-\frac{4\,i\,z^3\theta^3}{3\sqrt{\alpha^2-\delta^2}}+\frac{4}{3}\,r^2\,\alpha\,\sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\theta^2}+\right.$$

$$\frac{14\,r^2\,\delta^2\sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\theta^2}}{3\,\alpha}+\frac{4}{3}\,r\,z\,\theta\,\sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\theta^2}+$$

$$\frac{4\,z^2\,\theta^2\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{3\,\alpha}-4\,i\,r^3\,\alpha^2\,\text{Log}[r\,\alpha-z\,\theta]+8\,i\,r^3\,\alpha^2$$

$$\text{Log}[2\,r\,\alpha-z\,\theta]+3\,i\,r^3\,\delta^2\,\text{Log}\left[2\,\left(i\,r\,\alpha-i\,z\,\theta+\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\right)\right]+$$

$$2\,i\,r^3\,\alpha^2\,\text{Log}\left[2\,\sqrt{\alpha^2-\delta^2}\,\left(i\,r\,\alpha-i\,z\,\theta+\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\right)\right]+$$

$$i\,r^3\,\delta^2\,\text{Log}\left[2\,\sqrt{\alpha^2-\delta^2}\,\left(i\,r\,\alpha-i\,z\,\theta+\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\right)\right]+$$

$$\frac{2\,i\,z^3\,\theta^3\,\text{Log}\left[\frac{2\,i\,\left(r\,\left(-\alpha^2+\delta^2\right)+z\,\alpha\,\theta\right)}{\sqrt{\alpha^2-\delta^2}}+2\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\right]}{\sqrt{\alpha^2-\delta^2}}+$$

$$\frac{2\,i\,r^3\,\alpha^3\,\text{Log}\left[\frac{2\,i\,r\,\left(\alpha^2-\delta^2\right)-2\,i\,z\,\alpha\,\theta-2\,\sqrt{\alpha^2-\delta^2}\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{r^2\,z\,\left(\alpha^2-\delta^2\right)^{3/2}}\right]}{\sqrt{\alpha^2-\delta^2}}+$$

$$\frac{2\,i\,r^3\,\alpha\,\delta^2\,\text{Log}\left[\frac{2\,i\,r\,\left(\alpha^2-\delta^2\right)-2\,i\,z\,\alpha\,\theta-2\,\sqrt{\alpha^2-\delta^2}\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{r^2\,z\,\left(\alpha^2-\delta^2\right)^{3/2}}\right]}{\sqrt{\alpha^2-\delta^2}}-$$

$$\frac{4\,i\,r^3\,\delta^4\,\text{Log}\left[\frac{2\,i\,r\,\left(\alpha^2-\delta^2\right)-2\,i\,z\,\alpha\,\theta-2\,\sqrt{\alpha^2-\delta^2}\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{r^2\,z\,\left(\alpha^2-\delta^2\right)^{3/2}}\right]}{\alpha\,\sqrt{\alpha^2-\delta^2}}-$$

$$4\,i\,r^3\,\alpha^2\,\text{Log}\Big[-\Big(\Big(3\,\theta^3\,\Big(r\,\sqrt{\alpha^2-\delta^2}\,\left(\alpha^2+\delta^2\right)-z\,\alpha\,\sqrt{\alpha^2-\delta^2}\,\theta-i\,\left(\alpha^2-\delta^2\right)\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\Big)\Big)\Big/\left(2\,r^4\,\alpha^3\,\left(\alpha^2-\delta^2\right)^{3/2}\,(2\,r\,\alpha-z\,\theta)\right)\Big)\Big]+4\,i\,r^3\,\alpha^2$$

$$\text{Log}\Big[\Big(3\,\theta^3\,\Big(r\,\sqrt{\alpha^2-\delta^2}\,\left(\alpha^2+\delta^2\right)-z\,\alpha\,\sqrt{\alpha^2-\delta^2}\,\theta-i\,\left(\alpha^2-\delta^2\right)\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\Big)\Big)\Big/\left(2\,r^4\,\alpha^3\,\left(\alpha^2-\delta^2\right)^{3/2}\,(2\,r\,\alpha-z\,\theta)\right)\Big]-$$

$$\frac{i\,z^3\,\theta^3\,\text{Log}\left[\frac{2\,\alpha\,\left(r^2\,\alpha\,\sqrt{\alpha^2-\delta^2}+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2-i\,(r\,\alpha-z\,\theta)\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\right)}{\left(\alpha+\sqrt{\alpha^2-\delta^2}\right)\,(r\,\alpha-z\,\theta)^2}\right]}{\alpha}-\frac{1}{\alpha}$$

$$i\,z^3\,\theta^3\,\text{Log}\Big[-\Big(\Big(2\,\alpha\,\left(r^2\,\alpha\,\sqrt{\alpha^2-\delta^2}+z\,\theta\,\left(z\,\theta-i\,\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\right)+i\,r\,\alpha\,\left(2\,i\,z\,\theta+\sqrt{r^2\,\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\right)\right)\Big)\Big/\left(\left(-\alpha+\sqrt{\alpha^2-\delta^2}\right)\,(r\,\alpha-z\,\theta)^2\right)\Big)\Big]\Bigg)\,d\alpha+$$

$$\int\Bigg(\frac{1}{8}\,\left(\frac{2\,r^2\,\delta^2}{z}+2\,r\,\alpha\,\theta-2\,z\,\theta^2\right)\,\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}+$$

$$\frac{1}{8}\,\sqrt{2\,r\,\alpha-z\,\theta}\,\left(-\frac{r^2\,\alpha^2\,\sqrt{\theta}\,\left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)}{3\,\sqrt{z}}-\right.$$

$$\left.\frac{1}{9}\,r\,\sqrt{z}\,\alpha\,\theta^{3/2}\,\left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)+\right.$$

$$\frac{14}{9} z^{3/2} \theta^{5/2} \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)\Bigg) -$$

$$\frac{r^3 \alpha^3 (\alpha-\delta) (\alpha+\delta) \text{ArcTan}\left[\frac{\sqrt{2 r \alpha - z \theta}}{\sqrt{z}\ \sqrt{\theta}}\right] \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)}{12 z \left(\alpha^2-\delta^2\right)} -$$

$$\frac{1}{6} z^2 \theta^3 \text{ArcTan}\left[\frac{\sqrt{2 r \alpha - z \theta}}{\sqrt{z}\ \sqrt{\theta}}\right] \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right) +$$

$$\frac{1}{2} i r^2 \delta^2 \theta \text{Log}[-r\alpha+z\theta] +$$

$$\frac{1}{12 z \left(\alpha^2-\delta^2\right)} i r^3 \alpha^3 (\alpha-\delta) (\alpha+\delta) \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)$$

$$\left(-i \text{ArcTan}\left[\frac{\sqrt{2 r \alpha - z \theta}}{\sqrt{z}\ \sqrt{\theta}}\right] + \text{Log}\left[-2 i \sqrt{z}\ \sqrt{\alpha^2-\delta^2}\ \sqrt{\theta} + 2\sqrt{\alpha^2-\delta^2}\ \sqrt{2 r \alpha - z \theta}\right]\right) +$$

$$\frac{1}{4} i r^2 \delta^2 \theta \Bigg(-2 - 2\,\text{Log}[-r\alpha+z\theta] -$$

$$\text{Log}\left[\frac{2 i \alpha^2 \left(r\alpha - z\theta + i\sqrt{-r^2\alpha^2+r^2\delta^2+2 r z \alpha\theta - z^2\theta^2}\right)}{\delta (r\alpha - z\theta)^2}\right] +$$

$$\text{Log}\left[2\left(-i r\alpha + i z\theta + \sqrt{-r^2\alpha^2+r^2\delta^2+2 r z \alpha\theta - z^2\theta^2}\right)\right]\Bigg) -$$

$$\frac{1}{12} i z^2 \theta^3 \Bigg(2\,\text{Log}[-\alpha]\,\text{Log}\left[-\alpha+\sqrt{\alpha^2-\delta^2}\right] - \text{Log}[\alpha]\,\text{Log}\left[-\alpha+\sqrt{\alpha^2-\delta^2}\right] +$$

$$2\,\text{Log}\left[\alpha+\sqrt{\alpha^2-\delta^2}\right] - \text{Log}[\alpha]\,\text{Log}\left[\alpha+\sqrt{\alpha^2-\delta^2}\right] -$$

$$2\Bigg(-2\,\text{Log}[-r\alpha+z\theta] - \text{Log}\left[\frac{2 i \alpha^2 \left(r\alpha - z\theta + i\sqrt{-r^2\alpha^2+r^2\delta^2+2 r z \alpha\theta - z^2\theta^2}\right)}{\delta (r\alpha - z\theta)^2}\right] +$$

$$\text{Log}\left[2\left(-i r\alpha + i z\theta + \sqrt{-r^2\alpha^2+r^2\delta^2+2 r z \alpha\theta - z^2\theta^2}\right)\right]\Bigg)\Bigg) -$$

$$\frac{1}{12\sqrt{\alpha^2-\delta^2}} i z^2 \sqrt{-\delta^2} \sqrt{\frac{-\alpha^2+\delta^2}{\delta^2}}\ \theta^3 \Bigg(\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right]^2 -$$

$$2\,\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right] \text{Log}\left[1 - e^{2\,\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right]}\right] -$$

$$2\,\text{Log}[-\alpha]\,\text{Log}\left[-\frac{\alpha}{\sqrt{-\delta^2}} + \sqrt{\frac{-\alpha^2+\delta^2}{\delta^2}}\right] - \text{PolyLog}\left[2, e^{2\,\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right]}\right]\Bigg)\Bigg)\, dz +$$

$$\frac{1}{8}\,\mathrm{i}\int\int \mathrm{Log}\left[\frac{2\,\mathrm{i}\,\alpha^2\left(\mathrm{r}\,\alpha-\mathrm{z}\,\theta+\mathrm{i}\,\sqrt{-\left(\mathrm{r}\,(\alpha-\delta)-\mathrm{z}\,\theta\right)\,\left(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta\right)}\right)}{\delta\,(\mathrm{r}\,\alpha-\mathrm{z}\,\theta)^2}\right]\left(2\,\mathrm{r}^2\,\delta^2-4\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta+4\,\mathrm{z}^2\,\theta^2+\mathrm{z}^2\,\theta^2\,\mathrm{Log}\left[\frac{2\,\mathrm{i}\,\alpha^2\left(\mathrm{r}\,\alpha-\mathrm{z}\,\theta+\mathrm{i}\,\sqrt{-\left(\mathrm{r}\,(\alpha-\delta)-\mathrm{z}\,\theta\right)\,\left(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta\right)}\right)}{\delta\,(\mathrm{r}\,\alpha-\mathrm{z}\,\theta)^2}\right]-2\,\mathrm{z}^2\,\theta^2\,\mathrm{Log}\left[-\frac{2\left(-\mathrm{i}\,\mathrm{r}\,\alpha+\mathrm{i}\,\mathrm{z}\,\theta+\sqrt{-\left(\mathrm{r}\,\alpha-\mathrm{r}\,\delta-\mathrm{z}\,\theta\right)\,\left(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta\right)}\right)}{\delta\,(\mathrm{r}\,\alpha-\mathrm{z}\,\theta)^2}\right]\right)\mathrm{d}\theta\,\mathrm{d}\mathrm{z}+$$

$$\frac{1}{12}\left(-2\,\mathrm{r}^2\,\delta^2\int\theta\left(-\frac{\sqrt{\mathrm{r}^2\left(-\alpha^2+\delta^2\right)+2\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta-\mathrm{z}^2\,\theta^2}}{\theta^2}-\frac{\mathrm{i}\,\mathrm{r}\,\alpha\,\sqrt{\theta\,(2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta)}\,\mathrm{Log}\left[2\,\mathrm{i}\,\mathrm{r}\,\alpha-2\,\mathrm{i}\,\mathrm{z}\,\theta-\frac{2\,\sqrt{\theta}\,\sqrt{2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta}\,\sqrt{\mathrm{r}^2\left(-\alpha^2+\delta^2\right)+2\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta-\mathrm{z}^2\,\theta^2}}{\sqrt{\theta\,(2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta)}}\right]}{\theta^{5/2}\,\sqrt{2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta}}\right)\right.$$

$$\mathrm{d}\theta-3\int\int\int\frac{1}{\alpha\,(\mathrm{r}\,\alpha-\mathrm{z}\,\theta)}\left(-2\,\mathrm{i}\left(\mathrm{r}^3\,\alpha^3-2\,\mathrm{r}^2\,\mathrm{z}\,\alpha^2\,\theta+\mathrm{r}\,\mathrm{z}^2\,\alpha\,\theta^2-\mathrm{z}^3\,\theta^3\right)\right.$$

$$\mathrm{Log}\left[-\frac{2\left(-\mathrm{i}\,\mathrm{r}\,\alpha+\mathrm{i}\,\mathrm{z}\,\theta+\sqrt{\mathrm{r}^2\left(-\alpha^2+\delta^2\right)+2\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta-\mathrm{z}^2\,\theta^2}\right)}{\delta\,(\mathrm{r}\,\alpha-\mathrm{z}\,\theta)^2}\right]-$$

$$\left(\mathrm{z}^{3/2}\,\theta^{5/2}\,\sqrt{2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta}\,\left(2\,\mathrm{r}^2\,\alpha^2-3\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta+\mathrm{z}^2\,\theta^2\right)\right.$$

$$\left(2\,\mathrm{Log}\left[2\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta-\mathrm{z}^2\,\theta^2+\left(\sqrt{\mathrm{z}}\,\sqrt{\theta}\,(-2\,\mathrm{r}\,\alpha+\mathrm{z}\,\theta)\,(\mathrm{r}\,(-\alpha+\delta)+\mathrm{z}\,\theta)\right.\right.\right.$$

$$\left.\left.\left.(-\mathrm{r}\,(\alpha+\delta)+\mathrm{z}\,\theta)\right)\Big/\left(\mathtt{Integrate`Elliptic`Sqrt1}[2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta]\times\right.\right.\right.$$

$$\left.\left.\left.\mathtt{Integrate`Elliptic`Sqrt1}[-(\mathrm{r}\,(\alpha-\delta)-\mathrm{z}\,\theta)\right.\right.\right.$$

$$\left.\left.\left.(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta)]\right)\right]-\mathrm{Log}\left[\mathrm{r}^2\,\alpha\,(-\alpha+\delta)+2\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta-\mathrm{z}^2\,\theta^2+\right.$$

$$\left.\left.\left(\sqrt{\mathrm{z}}\,\sqrt{\theta}\,(-2\,\mathrm{r}\,\alpha+\mathrm{z}\,\theta)\,(-\mathrm{r}\,\alpha+\mathrm{r}\,\delta+\mathrm{z}\,\theta)\,(-\mathrm{r}\,(\alpha+\delta)+\mathrm{z}\,\theta)\right)\Big/\right.\right.$$

$$\left.\left.(\mathtt{Integrate`Elliptic`Sqrt1}[2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta]\times\right.$$

$$\left.\left.\mathtt{Integrate`Elliptic`Sqrt1}[-(\mathrm{r}\,\alpha-\mathrm{r}\,\delta-\mathrm{z}\,\theta)\right.\right.$$

$$\left.\left.(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta)]\right)\right]-\mathrm{Log}\left[-\mathrm{r}^2\,\alpha\,(\alpha+\delta)+2\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta-\mathrm{z}^2\,\theta^2+\right.$$

$$\left.\left.\left(\sqrt{\mathrm{z}}\,\sqrt{\theta}\,(-2\,\mathrm{r}\,\alpha+\mathrm{z}\,\theta)\,(-\mathrm{r}\,\alpha+\mathrm{r}\,\delta+\mathrm{z}\,\theta)\,(-\mathrm{r}\,(\alpha+\delta)+\mathrm{z}\,\theta)\right)\Big/\right.\right.$$

$$\left.\left.(\mathtt{Integrate`Elliptic`Sqrt1}[2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta]\times\right.$$

$$\left.\left.\mathtt{Integrate`Elliptic`Sqrt1}[\right.\right.$$

$$\left.\left.-(\mathrm{r}\,\alpha-\mathrm{r}\,\delta-\mathrm{z}\,\theta)\,(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta)]\right)\right]\Big)\Big/$$

$$\left(\sqrt{\theta\,(2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta)}\,\mathtt{Integrate`Elliptic`Sqrt1}[\theta\,(2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta)]\right)+$$

$$\left.\left.\frac{\mathrm{r}\,\mathrm{z}^2\,\alpha\,\theta^2\,(-\mathrm{r}\,\alpha+\mathrm{z}\,\theta)\,\mathrm{Log}\left[-\frac{2\left(-\mathrm{i}\,\mathrm{r}\,\alpha+\mathrm{i}\,\mathrm{z}\,\theta-\frac{(\mathrm{r}\,(\alpha-\delta)-\mathrm{z}\,\theta)\,(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta)}{\mathtt{Integrate`Elliptic`Sqrt1}[-(\mathrm{r}\,(\alpha-\delta)-\mathrm{z}\,\theta)\,(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta)]}\right)}{\delta\,(\mathrm{r}\,\alpha-\mathrm{z}\,\theta)^2}\right]}{\mathtt{Integrate`Elliptic`Sqrt1}[-(\mathrm{r}\,(\alpha-\delta)-\mathrm{z}\,\theta)\,(\mathrm{r}\,(\alpha+\delta)-\mathrm{z}\,\theta)]}\right)$$

$$\mathrm{d}\alpha\,\mathrm{d}\theta\,\mathrm{d}\mathrm{z}+\frac{1}{\sqrt{2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta}}2\,\mathrm{i}\,\mathrm{r}^2\,\mathrm{z}\,\delta^2\,\sqrt{\theta}\,\sqrt{\theta\,(2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta)}$$

$$\mathrm{Log}\left[-2\,\mathrm{i}\,\mathrm{r}\,\alpha+2\,\mathrm{i}\,\mathrm{z}\,\theta-\frac{2\,\sqrt{\theta}\,\sqrt{2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta}\,\sqrt{-\mathrm{r}^2\,\alpha^2+\mathrm{r}^2\,\delta^2+2\,\mathrm{r}\,\mathrm{z}\,\alpha\,\theta-\mathrm{z}^2\,\theta^2}}{\sqrt{\theta\,(2\,\mathrm{r}\,\alpha-\mathrm{z}\,\theta)}}\right]-2$$

$$\frac{\mathrm{i}}{r^2 \delta^2} \left(\mathrm{i} \sqrt{r^2 \left(-\alpha^2+\delta^2\right) + 2\, r\, z\, \alpha\, \theta - z^2 \theta^2} + r\, \alpha\, \mathrm{Log}\left[2 \left(\mathrm{i}\, r\, \alpha - \mathrm{i}\, z\, \theta + \sqrt{r^2 \left(-\alpha^2+\delta^2\right) + 2\, r\, z\, \alpha\, \theta - z^2 \theta^2} \right) \right] \right)$$

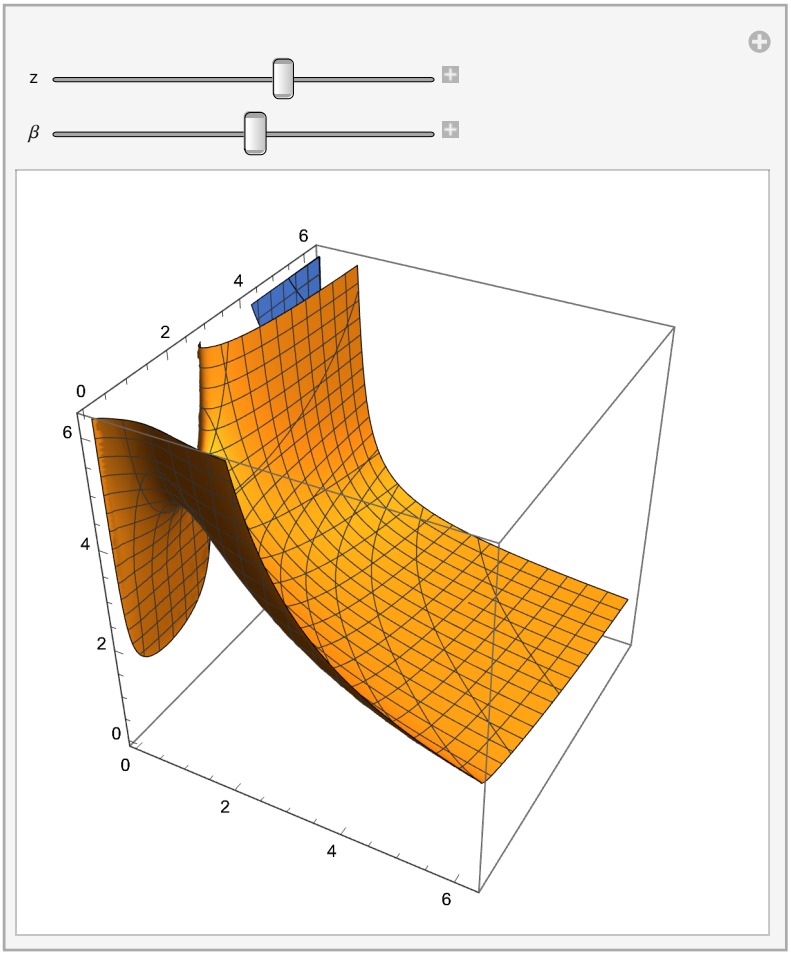
Nor does the above form integrate with respect to the variables, however,

$$\int\int\int\int\int \frac{z\,\theta}{\alpha + \delta\, \mathrm{Cos}[\beta]}\, \mathrm{Sin}[\beta]\, d\beta\, d\delta\, d\alpha\, d\theta\, dz$$

$$-\frac{1}{4} z^2 \theta^2 \left(\delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + \alpha \left(\mathrm{Log}[\delta] \left(-1 + \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \mathrm{Log}\left[1 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \right) + \mathrm{Log}\left[1 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \alpha\, \mathrm{PolyLog}\left[2, -\frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \right) \right)$$

In[•]:=
```
Manipulate[ContourPlot3D[-1/4 z^2 θ^2 (δ Cos[β] Log[α + δ Cos[β]] +
    α (Log[δ] (-1 + Log[α + δ Cos[β]] - Log[1 + δ Cos[β]/α]) + Log[1 + δ Cos[β]/α]) -
    α PolyLog[2, -δ Cos[β]/α]), {δ, 0, 2 π}, {α, 0, 2 π}, {θ, 0, 2 π}], {z, 0, 50 000}, {β, 0, π / 2}]
```

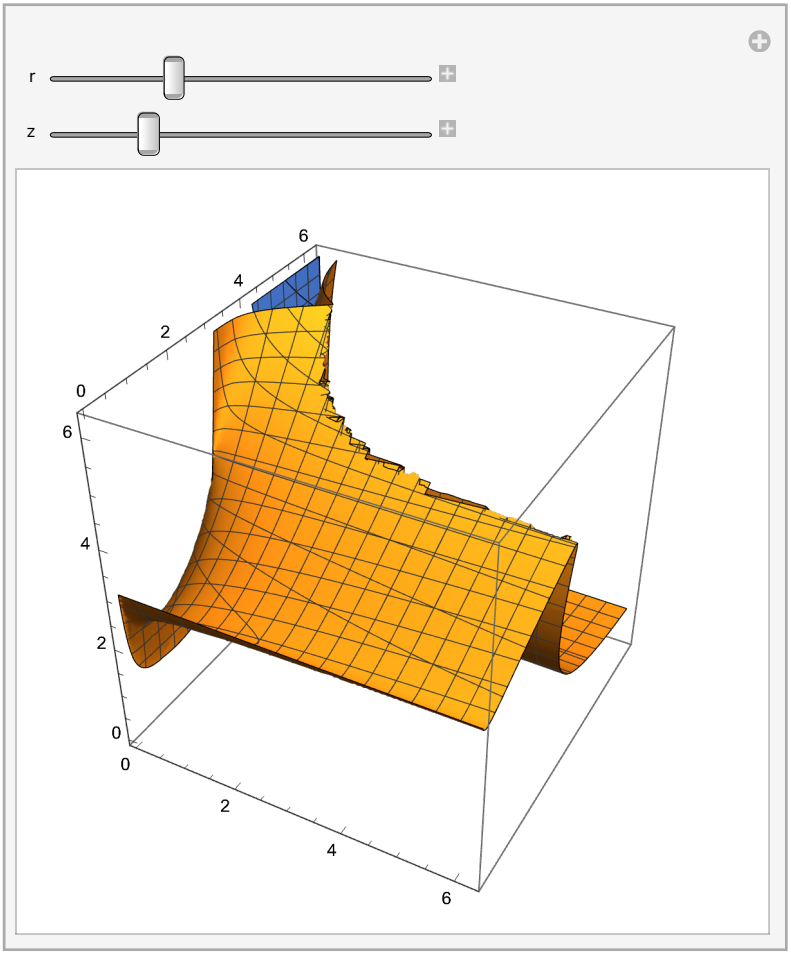
Out[•]=



Does integrate. Therefore, we can say that :

In[•]:=
```
Manipulate[ContourPlot3D[-1/4 z^2 θ^2 (δ Sqrt[1 - ((r α + r δ - z θ) (-r α + r δ + z θ))/(r^2 δ^2)]
Log[α + δ Sqrt[1 - ((r α + r δ - z θ) (-r α + r δ + z θ))/(r^2 δ^2)]] +
α (Log[δ] (-1 + Log[α + δ Sqrt[1 - ((r α + r δ - z θ) (-r α + r δ + z θ))/(r^2 δ^2)]] - Log[1 +
(δ Sqrt[1 - ((r α+r δ-z θ) (-r α+r δ+z θ))/(r^2 δ^2)])/α]) + Log[1 + (δ Sqrt[1 - ((r α+r δ-z θ) (-r α+r δ+z θ))/(r^2 δ^2)])/α]) -
α PolyLog[2, -(δ Sqrt[1 - ((r α+r δ-z θ) (-r α+r δ+z θ))/(r^2 δ^2)])/α]), {δ, 0, 2 π},
{α, 0, 2 π}, {θ, 0, 2 π}], {r,
0,
5}, {z,
0,
5}]
```

Out[•]=



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.

The two graphs look almost identical.

Furthermore,

it is of high interest that :

$$-\frac{1}{4} z^2 \theta^2 \left(\delta \cos[\beta] \log[\alpha + \delta \cos[\beta]] + \alpha \left(\log[\delta] \left(-1 + \log[\alpha + \delta \cos[\beta]] - \log\left[1 + \frac{\delta \cos[\beta]}{\alpha}\right]\right) + \log\left[1 + \frac{\delta \cos[\beta]}{\alpha}\right]\right) - \alpha \operatorname{PolyLog}\left[2, -\frac{\delta \cos[\beta]}{\alpha}\right]\right) ==$$

$$\frac{\sqrt{c^2\,r^2\,\alpha^2 - c^2\,r^2\,\delta^2 - 2\,c^2\,r\,z\,\alpha\,\theta + c^2\,z\,\delta^2\,\eta^2\,\theta + c^2\,z^2\,\theta^2}}{\sqrt{r^2\,\alpha^2 - 1.\,r^2\,\delta^2 - 2.\,r\,z\,\alpha\,\theta + z\,\delta^2\,\eta^2\,\theta + z^2\,\theta^2}},$$

if we take the original
height
solution
as
a
distance,
and the non - commutative embedded algebra as velocity,
so we
have actually
multiple ways of
doing the integral,
if we accept such postulates.

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

$$\left\{\left\{v \to -\left(\left(1.\sqrt{\left(8.98755\times10^{16}\,r^2\,\alpha^2 - 8.98755\times10^{16}\,r^2\,\delta^2 - 1.79751\times10^{17}\,r\,z\,\alpha\,\theta + 8.98755\times10^{16}\,z\,\delta^2\,\eta^2\,\theta + 8.98755\times10^{16}\,z^2\,\theta^2\right)}\right)\Big/\left(\sqrt{r^2\,\alpha^2 - 1.\,r^2\,\delta^2 - 2.\,r\,z\,\alpha\,\theta + z\,\delta^2\,\eta^2\,\theta + z^2\,\theta^2}\right)\right)\right\},$$

$$\left\{v \to \left(\sqrt{\left(8.98755\times10^{16}\,r^2\,\alpha^2 - 8.98755\times10^{16}\,r^2\,\delta^2 - 1.79751\times10^{17}\,r\,z\,\alpha\,\theta + 8.98755\times10^{16}\,z\,\delta^2\,\eta^2\,\theta + 8.98755\times10^{16}\,z^2\,\theta^2\right)}\right)\Big/\left(\sqrt{r^2\,\alpha^2 - 1.\,r^2\,\delta^2 - 2.\,r\,z\,\alpha\,\theta + z\,\delta^2\,\eta^2\,\theta + z^2\,\theta^2}\right)\right\}\right\}$$

Explicitly stated : $\int\int\int\int\int \frac{z\,\theta}{\alpha + \delta\,\text{Cos}[\beta]}\,\text{Sin}[\beta]\,d\beta\,d\delta\,d\alpha\,d\theta\,dz ==$

$$\frac{\sqrt{c^2\,r^2\,\alpha^2 - c^2\,r^2\,\delta^2 - 2\,c^2\,r\,z\,\alpha\,\theta + c^2\,z\,\delta^2\,\eta^2\,\theta + c^2\,z^2\,\theta^2}}{\sqrt{r^2\,\alpha^2 - 1.\,r^2\,\delta^2 - 2.\,r\,z\,\alpha\,\theta + z\,\delta^2\,\eta^2\,\theta + z^2\,\theta^2}} =$$

$$-\frac{1}{4}\,z^2\,\theta^2\left(\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] + \alpha\left(\text{Log}[\delta]\left(-1 + \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] - \text{Log}\left[1 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right) + \text{Log}\left[1 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right) - \alpha\,\text{PolyLog}\left[2,\ -\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)$$

Which can actually be solved as follows :

$$\text{Solve}\left[\frac{\sqrt{c^2\,r^2\,\alpha^2 - c^2\,r^2\,\delta^2 - 2\,c^2\,r\,z\,\alpha\,\theta + c^2\,z\,\delta^2\,\eta^2\,\theta + c^2\,z^2\,\theta^2}}{\sqrt{r^2\,\alpha^2 - 1.\,r^2\,\delta^2 - 2.\,r\,z\,\alpha\,\theta + z\,\delta^2\,\eta^2\,\theta + z^2\,\theta^2}} ==\right.$$

$$-\frac{1}{4} z^2 \theta^2 \left(\delta \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] + \alpha \left(\text{Log}[\delta] \left(-1 + \text{Log}[\alpha + \delta \text{Cos}[\beta]] - \text{Log}\left[1 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]\right) + \text{Log}\left[1 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]\right) - \alpha \text{PolyLog}\left[2, -\frac{\delta \text{Cos}[\beta]}{\alpha}\right]\right), c\right]$$

$$\{\{c \to -\left(\left(1. z^2 \sqrt{\left(1. r^2 \alpha^4 \theta^4 \text{Log}[\delta]^2 - 1. r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]^2 - 2. r z \alpha^3 \theta^5 \text{Log}[\delta]^2 + 1. z \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]^2 + 1. z^2 \alpha^2 \delta^2 \theta^6 \text{Log}[\delta]^2 - 2. r^2 \alpha^3 \delta \theta^4 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] + 2. r^2 \alpha \delta^3 \theta^4 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] + 4. r z \alpha^2 \delta \theta^5 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] - 2. z \alpha \delta^3 \eta^2 \theta^5 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] - 2. z^2 \alpha \delta \theta^6 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] - 2. r^2 \alpha^4 \theta^4 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] + 2. r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] + 4. r z \alpha^3 \theta^5 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] - 2. z \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] - 2. z^2 \alpha^2 \theta^6 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] + 1. r^2 \alpha^2 \delta^2 \theta^4 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 1. r^2 \delta^4 \theta^4 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 2. r z \alpha \delta^2 \theta^5 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 1. z \delta^4 \eta^2 \theta^5 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 1. z^2 \delta^2 \theta^6 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 2. r^2 \alpha^3 \delta \theta^4 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 2. r^2 \alpha \delta^3 \theta^4 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 4. r z \alpha^2 \delta \theta^5 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 2. z \alpha \delta^3 \eta^2 \theta^5 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 2. z^2 \alpha \delta \theta^6 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 1. r^2 \alpha^4 \theta^4 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 1. r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 2. r z \alpha^3 \theta^5 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 1. z \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + 1. z^2 \alpha^2 \theta^6 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 2. r^2 \alpha^4 \theta^4 \text{Log}[\delta] \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2. r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta] \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 4. r z \alpha^3 \theta^5 \text{Log}[\delta] \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2. z \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta] \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2. z^2 \alpha^2 \theta^6 \text{Log}[\delta] \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2. r^2 \alpha^4 \theta^4 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2. r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 4. r z \alpha^3 \theta^5 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2. z \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2. z^2 \alpha^2 \theta^6 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2. r^2 \alpha^3 \delta \theta^4 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2. r^2 \alpha \delta^3 \theta^4 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.\, r\, z\, \alpha^2\, \delta\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z\, \alpha\, \delta^3\, \eta^2\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z^2\, \alpha\, \delta\, \theta^6\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^3\, \delta\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha\, \delta^3\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\, r\, z\, \alpha^2\, \delta\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z\, \alpha\, \delta^3\, \eta^2\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z^2\, \alpha\, \delta\, \theta^6\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$1.\, r^2\, \alpha^4\, \theta^4\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - 1.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 + 1.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\, z^2\, \alpha^2\, \theta^6\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]$$

$$\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 1.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 1.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,r^2\,\alpha^3\,\delta\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\,r^2\,\alpha\,\delta^3\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\,r\,z\,\alpha^2\,\delta\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,z\,\alpha\,\delta^3\,\eta^2\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,z^2\,\alpha\,\delta\,\theta^6\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}\left[1. + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2., -\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$1.\,r^2\,\alpha^4\,\theta^4\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.\,r\,z\,\alpha^3\,\theta^5\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+1.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5$$
$$\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+1.\,z^2\,\alpha^2\,\theta^6\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\Bigg)\Big/$$
$$\left(\sqrt{16.\,r^2\,\alpha^2-16.\,r^2\,\delta^2-32.\,r\,z\,\alpha\,\theta+16.\,z\,\delta^2\,\eta^2\,\theta+16.\,z^2\,\theta^2}\right)\Bigg)\Bigg\},$$

$$\Bigg\{c\to\Bigg(1.\,z^2\sqrt{\Bigg(1.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2-1.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]^2-2.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]^2+$$
$$1.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]^2+1.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]^2-$$
$$2.\,r^2\,\alpha^3\,\delta\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$
$$2.\,r^2\,\alpha\,\delta^3\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$
$$4.\,r\,z\,\alpha^2\,\delta\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\,z\,\alpha\,\delta^3\,\eta^2\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\,z^2\,\alpha\,\delta\,\theta^6\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$
$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$
$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$
$$1.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$1.\,r^2\,\delta^4\,\theta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$2.\,r\,z\,\alpha\,\delta^2\,\theta^5\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$1.\,z\,\delta^4\,\eta^2\,\theta^5\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$1.\,z^2\,\delta^2\,\theta^6\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$2.\,r^2\,\alpha^3\,\delta\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$2.\,r^2\,\alpha\,\delta^3\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$4.\,r\,z\,\alpha^2\,\delta\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$2.\,z\,\alpha\,\delta^3\,\eta^2\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$2.\,z^2\,\alpha\,\delta\,\theta^6\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$1.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$

$$1.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$1.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$1.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - 2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2\, \alpha^3\, \delta\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2\, \alpha\, \delta^3\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\, r\, z\, \alpha^2\, \delta\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z\, \alpha\, \delta^3\, \eta^2\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z^2\, \alpha\, \delta\, \theta^6\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2\, \alpha^3\, \delta\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2\, \alpha\, \delta^3\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\, r\, z\, \alpha^2\, \delta\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z\, \alpha\, \delta^3\, \eta^2\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z^2\, \alpha\, \delta\, \theta^6\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$1.\, r^2\, \alpha^4\, \theta^4\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - 1.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 + 1.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\, z^2\, \alpha^2\, \theta^6\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^3\, \delta\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha\, \delta^3\, \theta^4\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\, r\, z\, \alpha^2\, \delta\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z\, \alpha\, \delta^3\, \eta^2\, \theta^5\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z^2\, \alpha\, \delta\, \theta^6\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, r^2\, \alpha^4\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.\, r\, z\, \alpha^3\, \theta^5\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.\, z^2\, \alpha^2\, \theta^6\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$1.\, r^2\, \alpha^4\, \theta^4\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.\ r^2\ \alpha^2\ \delta^2\ \theta^4\ \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\ \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.\ r\ z\ \alpha^3\ \theta^5\ \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\ \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\ z\ \alpha^2\ \delta^2\ \eta^2\ \theta^5\ \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\ \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$1.\ z^2\ \alpha^2\ \theta^6\ \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\ \text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\Bigg/$$

$$\left(\sqrt{16.\ r^2\ \alpha^2 - 16.\ r^2\ \delta^2 - 32.\ r\ z\ \alpha\ \theta + 16.\ z\ \delta^2\ \eta^2\ \theta + 16.\ z^2\ \theta^2}\right)\Bigg\}\Bigg\}$$

The speed of light can be shown to be a variable, not a constant. When scientists measure the speed of light in a so - called vacuum, they are postulating that they are able to be in a vacuum with their instruments, their consciousness, and even the very assumed vacuum space they are supposedly in is defined by planets, stars, black holes, quasars and galaxies. So, really, the whole premise that one can measure the speed of light in a vacuum with instruments and detections is wrong headed, unless what they are measuring is not really light at all, but rather an aspect of a material framework. Instead, let us use the mind, and the deductions from simple algebraic geometries to describe the speed of light. When we do that, we realize it is an elliptical equation based on polylogarithms with regard to the initial conditions of the geometry for the relevant system.

Considering, we can set z * θ = s, we can also state that :

$$\textbf{Solve}\Bigg[\frac{\sqrt{c^2\ r^2\ \alpha^2 - c^2\ r^2\ \delta^2 - 2\ c^2\ r\ s\ \alpha + c^2\ s\ \delta^2\ \eta^2 + c^2\ s^2}}{\sqrt{r^2\ \alpha^2 - 1.`\ r^2\ \delta^2 - 2.`\ r\ s\ \alpha + s\ \delta^2\ \eta^2\ + s^2}} == -\frac{1}{4}\ s^2\ \Bigg(\delta\ \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]] +$$

$$\alpha\ \Bigg(\text{Log}[\delta]\ \Bigg(-1 + \text{Log}[\alpha + \delta\ \text{Cos}[\beta]] - \text{Log}\Bigg[1 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg]\Bigg) + \text{Log}\Bigg[1 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg]\Bigg) -$$

$$\alpha\ \text{PolyLog}\Bigg[2,\ -\frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg]\Bigg),\ s\Bigg]$$

$$\Bigg\{\Bigg\{s \to$$

$$-\Bigg(\left(2.\ \sqrt{c}\right)\Big/\ \Big(\alpha^2\ \text{Log}[\delta]^2 - 2.\ \alpha\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]] - 2.\ \alpha^2\ \text{Log}[\delta]^2\ \text{Log}[$$

$$\alpha + \delta\ \text{Cos}[\beta]] + \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]^2 + 2.\ \alpha\ \delta\ \text{Cos}[\beta]$$

$$\text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]^2 + \alpha^2\ \text{Log}[\delta]^2\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]^2 -$$

$$2.\ \alpha^2\ \text{Log}[\delta]\ \text{Log}\Bigg[1. + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg] + 2.\ \alpha^2\ \text{Log}[\delta]^2\ \text{Log}\Bigg[1. + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg] +$$

$$2.\ \alpha\ \delta\ \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]\ \text{Log}\Bigg[1. + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg] +$$

$$2.\ \alpha^2\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]\ \text{Log}\Bigg[1. + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg] -$$

$$2.\ \alpha\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]\ \text{Log}\Bigg[1. + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg] -$$

$$2.\ \alpha^2\ \text{Log}[\delta]^2\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]\ \text{Log}\Bigg[1. + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\Bigg] +$$

$$\alpha^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$\alpha^2 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.\, \alpha^2 \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha\, \delta \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$\alpha^2 \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right]^2\Bigg)^{1/4}\Bigg\},$$

$$\Bigg\{\text{s} \to -\Bigg(\left((0. + 2.\, \text{i})\, \sqrt{\text{c}}\right) \Big/ \Big(\alpha^2 \text{Log}[\delta]^2 - 2.\, \alpha\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]] -$$
$$2.\, \alpha^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] + \delta^2 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 +$$
$$2.\, \alpha\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 + \alpha^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 -$$
$$2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.\, \alpha^2 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha\, \delta \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$\alpha^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$\alpha^2 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.\, \alpha^2 \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha\, \delta \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha^2 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$\alpha^2 \text{PolyLog}\left[2., -\frac{1.\, \delta \text{Cos}[\beta]}{\alpha}\right]^2\Bigg)^{1/4}\Bigg\},$$

$$\Bigg\{\text{s} \to \left((0. + 2.\, \text{i})\, \sqrt{\text{c}}\right) \Big/ \Big(\alpha^2 \text{Log}[\delta]^2 - 2.\, \alpha\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]] -$$
$$2.\, \alpha^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] + \delta^2 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 +$$

$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+\alpha^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+2.\,\alpha^2\,\text{Log}[\delta]^2\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$\alpha^2\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$
$$\alpha^2\,\text{Log}[\delta]^2\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+2.\,\alpha^2\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha^2\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$\alpha^2\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2\Big)^{1/4}\Big\},$$

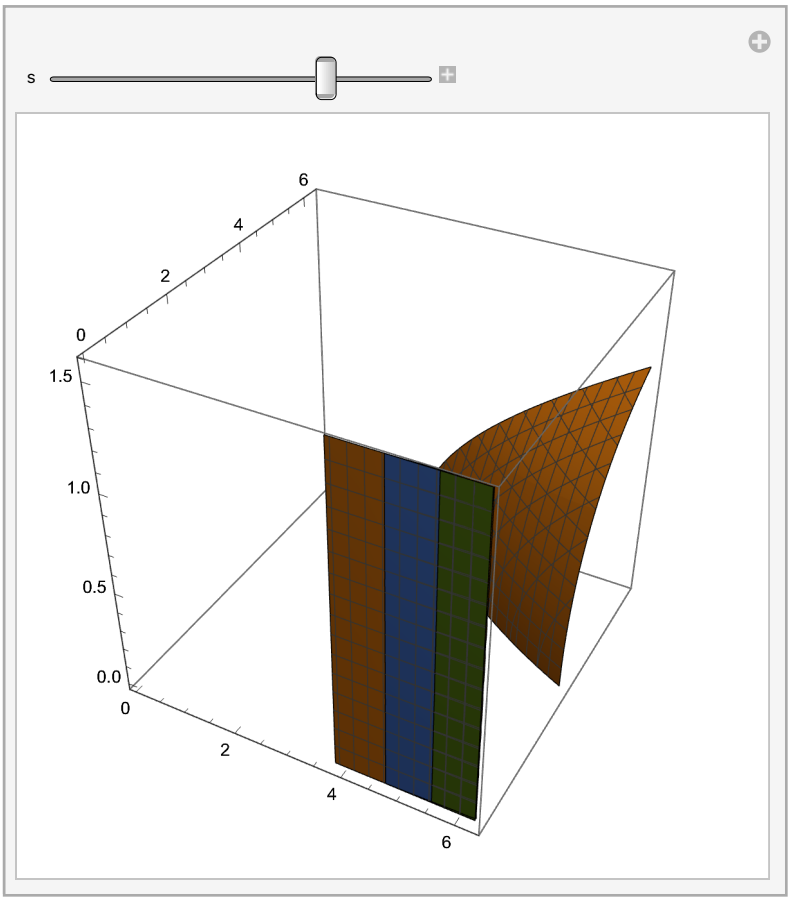
$$\Big\{\text{s}\to\big(2.\,\sqrt{\text{c}}\big)\Big/\Big(\alpha^2\,\text{Log}[\delta]^2-2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\,\alpha^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+\alpha^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+2.\,\alpha^2\,\text{Log}[\delta]^2\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$\alpha^2\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$
$$\alpha^2\,\text{Log}[\delta]^2\,\text{Log}\Big[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+2.\,\alpha^2\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\Big[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$

$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha^2\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^2\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Big)^{1/4}\Big\}\Big\}$$

$$\text{Solve}\Big[$$
$$s==\left(2.`\,\sqrt{c}\right)\Big/\Big(\alpha^2\,\text{Log}[\delta]^2-2.`\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-2.`\,\alpha^2\,\text{Log}[\delta]^2$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$2.`\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+\alpha^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$2.`\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`\,\alpha^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`\,\alpha^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`\,\alpha^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^2\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`\,\alpha^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`,-\frac{1.`\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`\,\alpha\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.`,-\frac{1.`\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`\,\alpha^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.`,-\frac{1.`\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`\,\alpha^2\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`,-\frac{1.`\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`\,\alpha^2\,\text{Log}[\delta]\,\text{Log}\left[1.`+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`,-\frac{1.`\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^2\,\text{PolyLog}\left[2.`,-\frac{1.`\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Big)^{1/4},c\Big]$$

$$\left\{\left\{c \to 0.25\, s^2 \sqrt{\left(1.\, \alpha^2\, \text{Log}[\delta]^2 - 2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \right.\right.\right.$$
$$2.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + 1.\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 1.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.\, \alpha^2\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$1.\, \alpha^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\, \alpha^2\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$1.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 + 2.\, \alpha^2\, \text{Log}[\delta]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha^2\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$\left.\left.\left.1.\, \alpha^2\, \text{PolyLog}\left[2., -\frac{1.\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2\right)\right\}\right\}$$

```
Manipulate[
 ContourPlot3D[0.25` s^2 Sqrt[(1.` α^2 Log[δ]^2 - 2.` α δ Cos[β] Log[δ] Log[α + δ Cos[β]] -
      2.` α^2 Log[δ]^2 Log[α + δ Cos[β]] + 1.` δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 +
      2.` α δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 + 1.` α^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
      2.` α^2 Log[δ] Log[1.` + δ Cos[β]/α] + 2.` α^2 Log[δ]^2 Log[1.` + δ Cos[β]/α] +
      2.` α δ Cos[β] Log[α + δ Cos[β]] Log[1.` + δ Cos[β]/α] +
      2.` α^2 Log[δ] Log[α + δ Cos[β]] Log[1.` + δ Cos[β]/α] -
      2.` α δ Cos[β] Log[δ] Log[α + δ Cos[β]] Log[1.` + δ Cos[β]/α] -
      2.` α^2 Log[δ]^2 Log[α + δ Cos[β]] Log[1.` + δ Cos[β]/α] +
      1.` α^2 Log[1.` + δ Cos[β]/α]^2 - 2.` α^2 Log[δ] Log[1.` + δ Cos[β]/α]^2 +
      1.` α^2 Log[δ]^2 Log[1.` + δ Cos[β]/α]^2 + 2.` α^2 Log[δ] PolyLog[2.`, -(1.` δ Cos[β]/α)] -
      2.` α δ Cos[β] Log[α + δ Cos[β]] PolyLog[2.`, -(1.` δ Cos[β]/α)] -
      2.` α^2 Log[δ] Log[α + δ Cos[β]] PolyLog[2.`, -(1.` δ Cos[β]/α)] -
      2.` α^2 Log[1.` + δ Cos[β]/α] PolyLog[2.`, -(1.` δ Cos[β]/α)] +
      2.` α^2 Log[δ] Log[1.` + δ Cos[β]/α] PolyLog[2.`, -(1.` δ Cos[β]/α)] +
      1.` α^2 PolyLog[2.`, -(1.` δ Cos[β]/α)]^2),
   {α, 0, 2 π}, {δ, 0, 2 π}, {β, 0, π/2}], {s,
  1,
  8}]
```



9. Warp Variable Nature

The Seven Seals; The Seven Days of creation :

Starting with the generalized $\frac{\sqrt{c^2\, r^2\, \alpha^2 - c^2\, r^2\, \delta^2 - 2\, c^2\, r\, z\, \alpha\, \theta + c^2\, z\, \delta^2\, \eta^2\, \theta + c^2\, z^2\, \theta^2}}{\sqrt{r^2\, \alpha^2 - 1.`\, r^2\, \delta^2 - 2.`\, r\, z\, \alpha\, \theta + z\, \delta^2\, \eta^2\, \theta + z^2\, \theta^2}}$,

which came from the difference between two arc lengths equalling another arc length,
we make the algebraic statement that anything divided by itself
can be said to cancel out with itself, remembering that we are in a
construct brought from infinity within and from outside of the system,
and that we are finding patterns within the infinite nature of
the cosmos that may be useful for traveling large distances.

Furthermore, postulating that $\int\int\int\int\int \frac{s}{\alpha+\delta\,\text{Cos}[\beta]}\,\text{Sin}[\beta]\,d\beta\,d\delta\,d\alpha\,d\theta\,dz =$

$$\left(-\frac{1}{4}s^2\left(\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+\alpha\left(\text{Log}[\delta]\left(-1+\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-\text{Log}\left[1+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)+\text{Log}\left[1+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)-\alpha\,\text{PolyLog}\left[2,-\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)\right)\sqrt{r^2\alpha^2-1.`\,r^2\delta^2-2.`\,r\,s\,\alpha+s\,\delta^2\left(\frac{s}{\alpha+\delta\,\text{Cos}[\beta]}\text{Sin}[\beta]\right)^2+s^2},$$

which was proven in the previous chapters,
we can state that :

$$\sqrt{c^2r^2\alpha^2-c^2r^2\delta^2-2c^2r\,s\,\alpha+c^2s\,\delta^2\left(\frac{s}{\alpha+\delta\,\text{Cos}[\beta]}\text{Sin}[\beta]\right)^2+c^2s^2}==\left(-\frac{1}{4}s^2\left(\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+\alpha\left(\text{Log}[\delta]\left(-1+\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-\text{Log}\left[1+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)+\text{Log}\left[1+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)-\alpha\,\text{PolyLog}\left[2,-\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)\right)\sqrt{r^2\alpha^2-1.`\,r^2\delta^2-2.`\,r\,s\,\alpha+s\,\delta^2\left(\frac{s}{\alpha+\delta\,\text{Cos}[\beta]}\text{Sin}[\beta]\right)^2+s^2}$$

Solving the equation, we find that we get 7 roots to this function,
which can be graphed from a spherical plot,
giving us three variables that we can manipulate to bend the coordinate system. Since these variables were generalized in the the original equation, we do not have to worry that they hold constraints on each other.

In[•]:=
```
Solve[Sqrt[c^2 r^2 α^2 - c^2 r^2 δ^2 - 2 c^2 r s α + c^2 s δ^2 (s/(α + δ Cos[β])) Sin[β])^2 + c^2 s^2] ==
  (-(1/4) s^2 (δ Cos[β] Log[α + δ Cos[β]] +
      α (Log[δ] (-1 + Log[α + δ Cos[β]] - Log[1 + (δ Cos[β])/α]) + Log[1 + (δ Cos[β])/α]) -
      α PolyLog[2, -(δ Cos[β])/α]))
  Sqrt[r^2 α^2 - 1.` r^2 δ^2 - 2.` r s α + s δ^2 (s/(α + δ Cos[β])) Sin[β])^2 + s^2], s]
```

Out[•]=
```
{{s → 0.},
 {s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] + 2.00964 × 10^69 c^2 r Cos[β]^2 +
     (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
     1.59922 × 10^68 c^2 Sin[β]^2 #1^2 + (-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
```

$$
\begin{aligned}
&1.67491\times 10^{70}\, r\, \text{Cos}[\beta]^2 - 1.52716\times 10^{70}\, r\, \text{Log}[1. + 1.\, \text{Cos}[\beta]] - \\
&3.05432\times 10^{70}\, r\, \text{Cos}[\beta]\, \text{Log}[1. + 1.\, \text{Cos}[\beta]] - 1.52716\times 10^{70}\, r \\
&\ \text{Cos}[\beta]^2\, \text{Log}[1. + 1.\, \text{Cos}[\beta]] - 3.48112\times 10^{69}\, r\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]^2 - \\
&6.96224\times 10^{69}\, r\, \text{Cos}[\beta]\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]^2 - 3.48112\times 10^{69}\, r\, \text{Cos}[\beta]^2 \\
&\ \text{Log}[1. + 1.\, \text{Cos}[\beta]]^2 + 3.34982\times 10^{70}\, r\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&8.52229\times 10^{70}\, r\, \text{Cos}[\beta]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&6.99513\times 10^{70}\, r\, \text{Cos}[\beta]^2\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&1.82266\times 10^{70}\, r\, \text{Cos}[\beta]^3\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&1.52716\times 10^{70}\, r\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&3.88526\times 10^{70}\, r\, \text{Cos}[\beta]\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&3.18904\times 10^{70}\, r\, \text{Cos}[\beta]^2\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&8.30938\times 10^{69}\, r\, \text{Cos}[\beta]^3\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&1.67491\times 10^{70}\, r\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 - \\
&5.17248\times 10^{70}\, r\, \text{Cos}[\beta]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 - \\
&5.81608\times 10^{70}\, r\, \text{Cos}[\beta]^2\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 - \\
&2.81438\times 10^{70}\, r\, \text{Cos}[\beta]^3\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 - \\
&4.95859\times 10^{69}\, r\, \text{Cos}[\beta]^4\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 - 1.82266\times 10^{70}\, r \\
&\ \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] - 3.64531\times 10^{70}\, r\, \text{Cos}[\beta]\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] - \\
&1.82266\times 10^{70}\, r\, \text{Cos}[\beta]^2\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] - \\
&8.30938\times 10^{69}\, r\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] - \\
&1.66188\times 10^{70}\, r\, \text{Cos}[\beta]\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] - \\
&8.30938\times 10^{69}\, r\, \text{Cos}[\beta]^2\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] + \\
&1.82266\times 10^{70}\, r\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] + \\
&4.63703\times 10^{70}\, r\, \text{Cos}[\beta]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] \\
&\ \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] + 3.80609\times 10^{70}\, r\, \text{Cos}[\beta]^2 \\
&\ \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] + \\
&9.91719\times 10^{69}\, r\, \text{Cos}[\beta]^3\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] \\
&\ \text{PolyLog}[2., -1.\, \text{Cos}[\beta]] - 4.95859\times 10^{69}\, r\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]]^2 - \\
&9.91719\times 10^{69}\, r\, \text{Cos}[\beta]\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]]^2 - \\
&4.95859\times 10^{69}\, r\, \text{Cos}[\beta]^2\, \text{PolyLog}[2., -1.\, \text{Cos}[\beta]]^2\Big)\, \#1^4 + \\
\Big(&1.33285\times 10^{69} + 2.6657\times 10^{69}\, \text{Cos}[\beta] + 1.33285\times 10^{69}\, \text{Cos}[\beta]^2 + \\
&1.21528\times 10^{69}\, \text{Log}[1. + 1.\, \text{Cos}[\beta]] + 2.43055\times 10^{69}\, \text{Cos}[\beta]\, \text{Log}[1. + 1.\, \text{Cos}[\beta]] + \\
&1.21528\times 10^{69}\, \text{Cos}[\beta]^2\, \text{Log}[1. + 1.\, \text{Cos}[\beta]] + \\
&2.77019\times 10^{68}\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]^2 + 5.54037\times 10^{68}\, \text{Cos}[\beta] \\
&\ \text{Log}[1. + 1.\, \text{Cos}[\beta]]^2 + 2.77019\times 10^{68}\, \text{Cos}[\beta]^2\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]^2 - \\
&2.6657\times 10^{69}\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&6.78183\times 10^{69}\, \text{Cos}[\beta]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&5.56655\times 10^{69}\, \text{Cos}[\beta]^2\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&1.45042\times 10^{69}\, \text{Cos}[\beta]^3\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&1.21528\times 10^{69}\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&3.09179\times 10^{69}\, \text{Cos}[\beta]\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&2.53776\times 10^{69}\, \text{Cos}[\beta]^2\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] - \\
&6.6124\times 10^{68}\, \text{Cos}[\beta]^3\, \text{Log}[1. + 1.\, \text{Cos}[\beta]]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]] + \\
&1.33285\times 10^{69}\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 + \\
&4.11613\times 10^{69}\, \text{Cos}[\beta]\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 + \\
&4.62829\times 10^{69}\, \text{Cos}[\beta]^2\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 + \\
&2.23961\times 10^{69}\, \text{Cos}[\beta]^3\, \text{Log}[6.28318 + 6.28318\, \text{Cos}[\beta]]^2 +
\end{aligned}
$$

```
      3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
      1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
       PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
      6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
      1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
      6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
      1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
      3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
       PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
       Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
      7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
       PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
      7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
      3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
    (1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
      2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
      2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
      1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
      1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
      6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
       Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
      1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
      3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
      1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
      6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
      1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
       PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
       Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
      3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 1]},
{s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
    2.00964 × 10^69 c^2 r Cos[β]^2 +
    (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
    1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
    (-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
      1.67491 × 10^70 r Cos[β]^2 - 1.52716 × 10^70 r Log[1. + 1. Cos[β]] -
      3.05432 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716 × 10^70 r
       Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112 × 10^69 r Log[1. + 1. Cos[β]]^2 -
      6.96224 × 10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112 × 10^69 r Cos[β]^2
       Log[1. + 1. Cos[β]]^2 + 3.34982 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] +
      8.52229 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
      6.99513 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
      1.82266 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
      1.52716 × 10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
      3.88526 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
      3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
      8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
```

```
1.67491 × 10^70 r Log[6.28318 + 6.28318 Cos[β]]^2 -
5.17248 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
5.81608 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
2.81438 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
4.95859 × 10^69 r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 - 1.82266 × 10^70 r
 PolyLog[2., -1. Cos[β]] - 3.64531 × 10^70 r Cos[β] PolyLog[2., -1. Cos[β]] -
1.82266 × 10^70 r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
8.30938 × 10^69 r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
1.66188 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
8.30938 × 10^69 r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
1.82266 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
4.63703 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] + 3.80609 × 10^70 r Cos[β]^2
 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
9.91719 × 10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] - 4.95859 × 10^69 r PolyLog[2., -1. Cos[β]]^2 -
9.91719 × 10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
4.95859 × 10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
(1.33285 × 10^69 + 2.6657 × 10^69 Cos[β] + 1.33285 × 10^69 Cos[β]^2 +
1.21528 × 10^69 Log[1. + 1. Cos[β]] + 2.43055 × 10^69 Cos[β] Log[1. + 1. Cos[β]] +
1.21528 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 + 5.54037 × 10^68 Cos[β]
 Log[1. + 1. Cos[β]]^2 + 2.77019 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] -
6.78183 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
5.56655 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
1.45042 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
3.09179 × 10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
2.53776 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
6.6124 × 10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
4.11613 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
4.62829 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
2.23961 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
 PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
```

```
        7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
        3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
      (1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
        2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
        2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
         Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
        6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
        1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
         PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
         Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
        3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 2]},
  {s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
      2.00964 × 10^69 c^2 r Cos[β]^2 +
      (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
      1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
      (-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
        1.67491 × 10^70 r Cos[β]^2 - 1.52716 × 10^70 r Log[1. + 1. Cos[β]] -
        3.05432 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716 × 10^70 r
         Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112 × 10^69 r Log[1. + 1. Cos[β]]^2 -
        6.96224 × 10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112 × 10^69 r Cos[β]^2
         Log[1. + 1. Cos[β]]^2 + 3.34982 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] +
        8.52229 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
        6.99513 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
        1.82266 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
        1.52716 × 10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
        3.88526 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
        3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
        8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
        1.67491 × 10^70 r Log[6.28318 + 6.28318 Cos[β]]^2 -
        5.17248 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
        5.81608 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
        2.81438 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
        4.95859 × 10^69 r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 -
        1.82266 × 10^70 r PolyLog[2., -1. Cos[β]] -
        3.64531 × 10^70 r Cos[β] PolyLog[2., -1. Cos[β]] -
        1.82266 × 10^70 r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
        8.30938 × 10^69 r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
        1.66188 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
        8.30938 × 10^69 r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
        1.82266 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
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    4.63703 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] + 3.80609 × 10^70 r Cos[β]^2
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    9.91719 × 10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 4.95859 × 10^69 r PolyLog[2., -1. Cos[β]]^2 -
    9.91719 × 10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
    4.95859 × 10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
  (1.33285 × 10^69 + 2.6657 × 10^69 Cos[β] + 1.33285 × 10^69 Cos[β]^2 +
    1.21528 × 10^69 Log[1. + 1. Cos[β]] + 2.43055 × 10^69 Cos[β] Log[1. + 1. Cos[β]] +
    1.21528 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
    2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 + 5.54037 × 10^68 Cos[β]
     Log[1. + 1. Cos[β]]^2 + 2.77019 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
    2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] -
    6.78183 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
    5.56655 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
    1.45042 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
    1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    3.09179 × 10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    2.53776 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    6.6124 × 10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
    4.11613 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
    4.62829 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
    2.23961 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
    3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
    1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
     PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
    6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
    3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
    7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
    7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
    3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
  (1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
    2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
    2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
    1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
    1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
    6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
     Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
    1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
    3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
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    1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
    6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
    1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
    3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 3]},
{s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
  2.00964 × 10^69 c^2 r Cos[β]^2 +
  (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
  1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
  (-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
    1.67491 × 10^70 r Cos[β]^2 - 1.52716 × 10^70 r Log[1. + 1. Cos[β]] -
    3.05432 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716 × 10^70 r
     Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112 × 10^69 r Log[1. + 1. Cos[β]]^2 -
    6.96224 × 10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112 × 10^69 r Cos[β]^2
     Log[1. + 1. Cos[β]]^2 + 3.34982 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] +
    8.52229 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
    6.99513 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
    1.82266 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
    1.52716 × 10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    3.88526 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    1.67491 × 10^70 r Log[6.28318 + 6.28318 Cos[β]]^2 -
    5.17248 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
    5.81608 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
    2.81438 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
    4.95859 × 10^69 r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 -
    1.82266 × 10^70 r PolyLog[2., -1. Cos[β]] -
    3.64531 × 10^70 r Cos[β] PolyLog[2., -1. Cos[β]] -
    1.82266 × 10^70 r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
    8.30938 × 10^69 r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    1.66188 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    8.30938 × 10^69 r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    1.82266 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    4.63703 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] + 3.80609 × 10^70 r Cos[β]^2
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    9.91719 × 10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 4.95859 × 10^69 r PolyLog[2., -1. Cos[β]]^2 -
    9.91719 × 10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
    4.95859 × 10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
  (1.33285 × 10^69 + 2.6657 × 10^69 Cos[β] + 1.33285 × 10^69 Cos[β]^2 +
    1.21528 × 10^69 Log[1. + 1. Cos[β]] + 2.43055 × 10^69 Cos[β] Log[1. + 1. Cos[β]] +
    1.21528 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
    2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 + 5.54037 × 10^68 Cos[β]
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 Log[1. + 1. Cos[β]]^2 + 2.77019 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
 2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] -
 6.78183 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
 5.56655 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
 1.45042 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
 1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
 3.09179 × 10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
 2.53776 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
 6.6124 × 10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
 4.11613 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
 4.62829 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
 2.23961 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
 3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
 1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
  PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
 6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
 1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
 6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
 1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
 3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
  PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
  Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
 7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
  PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
 7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
 3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
(1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
 2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
 2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
 1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
 1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
 6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
  Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
 1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
 3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
 1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
 6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
 1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
  PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
  Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 4]},
{s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
 2.00964 × 10^69 c^2 r Cos[β]^2 +
 (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
 1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
```

```
(-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
   1.67491 × 10^70 r Cos[β]^2 - 1.52716 × 10^70 r Log[1. + 1. Cos[β]] -
   3.05432 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716 × 10^70 r
    Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112 × 10^69 r Log[1. + 1. Cos[β]]^2 -
   6.96224 × 10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112 × 10^69 r Cos[β]^2
    Log[1. + 1. Cos[β]]^2 + 3.34982 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] +
   8.52229 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
   6.99513 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
   1.82266 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
   1.52716 × 10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
   3.88526 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
   3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
   8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
   1.67491 × 10^70 r Log[6.28318 + 6.28318 Cos[β]]^2 -
   5.17248 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
   5.81608 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
   2.81438 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
   4.95859 × 10^69 r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 -
   1.82266 × 10^70 r PolyLog[2., -1. Cos[β]] -
   3.64531 × 10^70 r Cos[β] PolyLog[2., -1. Cos[β]] -
   1.82266 × 10^70 r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
   8.30938 × 10^69 r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
   1.66188 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
   8.30938 × 10^69 r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
   1.82266 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
   4.63703 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
    PolyLog[2., -1. Cos[β]] + 3.80609 × 10^70 r Cos[β]^2
    Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
   9.91719 × 10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
    PolyLog[2., -1. Cos[β]] - 4.95859 × 10^69 r PolyLog[2., -1. Cos[β]]^2 -
   9.91719 × 10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
   4.95859 × 10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
(1.33285 × 10^69 + 2.6657 × 10^69 Cos[β] + 1.33285 × 10^69 Cos[β]^2 +
   1.21528 × 10^69 Log[1. + 1. Cos[β]] + 2.43055 × 10^69 Cos[β] Log[1. + 1. Cos[β]] +
   1.21528 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
   2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 + 5.54037 × 10^68 Cos[β]
    Log[1. + 1. Cos[β]]^2 + 2.77019 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
   2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] -
   6.78183 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
   5.56655 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
   1.45042 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
   1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
   3.09179 × 10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
   2.53776 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
   6.6124 × 10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
   1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
   4.11613 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
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      4.62829 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
      2.23961 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
      3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
      1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
       PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
      6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
      1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
      6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
      1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
      3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
       PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
       Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
      7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
       PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
      7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
      3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
    (1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
      2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
      2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
      1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
      1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
      6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
       Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
      1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
      3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
      1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
      6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
      1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
       PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
       Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
      3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 5]},
 {s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
    2.00964 × 10^69 c^2 r Cos[β]^2 +
    (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
    1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
    (-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
      1.67491 × 10^70 r Cos[β]^2 - 1.52716 × 10^70 r Log[1. + 1. Cos[β]] -
      3.05432 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716 × 10^70 r
       Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112 × 10^69 r Log[1. + 1. Cos[β]]^2 -
      6.96224 × 10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112 × 10^69 r Cos[β]^2
       Log[1. + 1. Cos[β]]^2 + 3.34982 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] +
      8.52229 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
      6.99513 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
      1.82266 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
      1.52716 × 10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
      3.88526 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
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3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
1.67491 × 10^70 r Log[6.28318 + 6.28318 Cos[β]]^2 -
5.17248 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
5.81608 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
2.81438 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
4.95859 × 10^69 r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 -
1.82266 × 10^70 r PolyLog[2., -1. Cos[β]] -
3.64531 × 10^70 r Cos[β] PolyLog[2., -1. Cos[β]] -
1.82266 × 10^70 r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
8.30938 × 10^69 r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
1.66188 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
8.30938 × 10^69 r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
1.82266 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
4.63703 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] + 3.80609 × 10^70 r Cos[β]^2
 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
9.91719 × 10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] - 4.95859 × 10^69 r PolyLog[2., -1. Cos[β]]^2 -
9.91719 × 10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
4.95859 × 10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
(1.33285 × 10^69 + 2.6657 × 10^69 Cos[β] + 1.33285 × 10^69 Cos[β]^2 +
1.21528 × 10^69 Log[1. + 1. Cos[β]] + 2.43055 × 10^69 Cos[β] Log[1. + 1. Cos[β]] +
1.21528 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 + 5.54037 × 10^68 Cos[β]
 Log[1. + 1. Cos[β]]^2 + 2.77019 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] -
6.78183 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
5.56655 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
1.45042 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
3.09179 × 10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
2.53776 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
6.6124 × 10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
4.11613 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
4.62829 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
2.23961 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
 PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
```

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    Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
   7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
    PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
   7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
   3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
  (1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
   2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
   2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
   1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
   1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
   6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
    Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
   1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
   3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
   1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
   6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
   1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
    PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
    Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
   3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 6]}}

In[•]:= Manipulate[SphericalPlot3D[
  {Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
     32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
     32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] - 16.`14.85583028601747
      c^2 r^2 α^2 δ^2 Cos[β]^2 + 16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
     (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
        32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
     (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
        16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
     16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
     (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 + 2.`14.85583028601747
         r^2 α^5 δ Cos[β] Log[δ]^2 - 2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 +
        r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 - 1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
        2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
        2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
        4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
        4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
        2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
        2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
        2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
        2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
        4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
        4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
        2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
```

$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]] + r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 1.`14.85583028601747\, r^2\, \delta^6\, \text{Cos}[\beta]^4\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + 4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - 2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^3$$

$$\delta^3 \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2 \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^2$$

$$\delta^4 \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3 \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha$$

$$\delta^5 \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4$$

$$\delta^2 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2 \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3 \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha\, \delta^5$$

$$\text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^4$$

$$\delta^2 \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2 \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 1.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747\, r^2$$

$$\alpha^5\, \delta\,\text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\,\text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^4\, \delta^2\,\text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\,\text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747\, r^2\, \alpha^6$$

$$\text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\,\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\,\text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2\, \alpha^2\, \delta^4\,\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 1.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]\, \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\,\text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^4\, \delta^2\,\text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\,\text{Cos}[\beta]^2\, \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747\, r^2\, \alpha^6$$

$$\text{Log}[\delta]\ \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Log}[\delta]\ \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r^2\ \alpha^5\ \delta\ \text{Cos}[\beta]$$
$$\text{Log}[\delta]\ \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\ r^2\ \alpha^2\ \delta^4\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\ r^2\ \alpha^5\ \delta\ \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r^2\ \alpha^2\ \delta^4\ \text{Cos}[\beta]^2\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\ r^2\ \alpha\ \delta^5\ \text{Cos}[\beta]^3\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\ r^2\ \alpha^6\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\ r^2\ \alpha^5\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left. -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

```
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747
 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
r^2 α^6 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^4 δ^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 r^2 α^5 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^4 +
(-2.`14.85583028601747 r α^5 Log[δ]^2 - 4.`14.85583028601747 r α^4 δ
  Cos[β] Log[δ]^2 - 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 +
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] -
 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 r α δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
 8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
```

$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747$$

$$r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$

$$r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\, r\, \alpha^3$$

$$\delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r$$

$$\alpha^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3\, \delta^2$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^5$$

$$\text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3\, \delta^2$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r\, \alpha^5\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$4.`14.85583028601747\, r\, \alpha^5 \operatorname{Log}[\delta] \operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 +$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta \operatorname{Cos}[\beta] \operatorname{Log}[\delta]$$
$$\operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$
$$r\, \alpha^3\, \delta^2 \operatorname{Cos}[\beta]^2 \operatorname{Log}[\delta] \operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r\, \alpha^5 \operatorname{Log}[\delta]^2 \operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r\, \alpha^4\, \delta \operatorname{Cos}[\beta] \operatorname{Log}[\delta]^2$$
$$\operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$
$$r\, \alpha^3\, \delta^2 \operatorname{Cos}[\beta]^2 \operatorname{Log}[\delta]^2 \operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r\, \alpha^5 \operatorname{Log}[\delta] \operatorname{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left. -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\, r\, \alpha^4\, \delta \operatorname{Cos}[\beta]$$
$$\operatorname{Log}[\delta] \operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2 \operatorname{Cos}[\beta]^2 \operatorname{Log}[\delta]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^4\, \delta \operatorname{Cos}[\beta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^3\, \delta^2 \operatorname{Cos}[\beta]^2 \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3 \operatorname{Cos}[\beta]^3 \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^5 \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta \operatorname{Cos}[\beta] \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2 \operatorname{Cos}[\beta]^2 \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^5 \operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]$$
$$\operatorname{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta \operatorname{Cos}[\beta] \operatorname{Log}\left[1.`14.85583028601747 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]$$

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 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
4.`14.85583028601747 r α^5 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747 r α^5
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
4.`14.85583028601747 r α^4 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^5 +
(α^4 Log[δ]^2 + 2.`14.85583028601747 α^3 δ Cos[β] Log[δ]^2 + α^2 δ^2 Cos[β]^2 Log[δ]^2 -
 2.`14.85583028601747 α^3 δ Cos[β] Log[δ] Log[α + δ Cos[β]] -
 4.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
 2.`14.85583028601747 α δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
 2.`14.85583028601747 α^4 Log[δ]^2 Log[α + δ Cos[β]] -
 4.`14.85583028601747 α^3 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
 2.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
 α^2 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 + 2.`14.85583028601747 α δ^3
  Cos[β]^3 Log[α + δ Cos[β]]^2 + δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 +
 2.`14.85583028601747 α^3 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 +
 4.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 +
 2.`14.85583028601747 α δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 +
 α^4 Log[δ]^2 Log[α + δ Cos[β]]^2 + 2.`14.85583028601747 α^3 δ Cos[β]
  Log[δ]^2 Log[α + δ Cos[β]]^2 + α^2 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 α^4 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
 4.`14.85583028601747 α^3 δ Cos[β] Log[δ]
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$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\,\alpha^2$$

$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\,\alpha^4$$

$$\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\,\alpha^2\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\,\alpha^4$$

$$\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\,\alpha^2\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$\alpha^4\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left. -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$\alpha^4\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left. -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + \alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$

$$\left.\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\#1^6 +$$

$$\left(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2 - 2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\right.$$

$$\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2 - 2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$

$$\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2 + \delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2 +$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2 +$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2 - 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{Sin}[\beta]^2 +$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{Sin}[\beta]^2 + 2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{Sin}[\beta]^2 + 2.`14.85583028601747\,\alpha^2$$

$$\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{Sin}[\beta]^2 -$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{Sin}[\beta]^2 - 2.`14.85583028601747\,\alpha^2$$

$$\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{Sin}[\beta]^2 +$$

$$\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\,\text{Sin}[\beta]^2 - 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\,\text{Sin}[\beta]^2 +$$

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    α^2 δ^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 +
    2.`14.85583028601747 α^2 δ^2 Log[δ] PolyLog[2.`14.85583028601747,
      -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
    2.`14.85583028601747 α δ^3 Cos[β] Log[α + δ Cos[β]] PolyLog[
      2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
    2.`14.85583028601747 α^2 δ^2 Log[δ] Log[α + δ Cos[β]] PolyLog[
      2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
    2.`14.85583028601747 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
     PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]
     Sin[β]^2 + 2.`14.85583028601747 α^2 δ^2 Log[δ]
     Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[
      2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 +
    α^2 δ^2 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2
     Sin[β]^2) #1^7 &, 1],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
   32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
   32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
   16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
   16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
   (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
      32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
   (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
      16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
   16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
   (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
      2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
      1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
      2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
      4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
      4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
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$$
\begin{aligned}
&2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]-\\
&4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]-\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \delta^6\, \text{Cos}[\beta]^4\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\\
&\quad r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+\\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\\
&\quad r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\, r^2\, \alpha^6\\
&\quad \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\\
&\quad r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+\\
&4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747
\end{aligned}
$$

$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747 r^2 \alpha^3$$
$$\delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747 r^2 \alpha^2$$
$$\delta^4 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747 r^2 \alpha^3 \delta^3 \text{Cos}[\beta]^3 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747 r^2 \alpha$$
$$\delta^5 \text{Cos}[\beta]^3 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747 r^2 \alpha^6 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747 r^2 \alpha^4$$
$$\delta^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747 r^2 \alpha^3 \delta^3$$
$$\text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 r^2 \alpha^2 \delta^4$$
$$\text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747 r^2 \alpha^3 \delta^3 \text{Cos}[\beta]^3 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 r^2 \alpha \delta^5$$
$$\text{Cos}[\beta]^3 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747 r^2 \alpha^6 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 r^2 \alpha^4$$

$$\delta^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2 \alpha^3 \delta^3$$
$$\text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2 \alpha^2 \delta^4$$
$$\text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$r^2 \alpha^6 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.`14.85583028601747\, r^2 \alpha^4 \delta^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \text{Cos}[\beta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747\, r^2 \alpha^6$$
$$\text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$
$$r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$r^2 \alpha^6 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 1.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747\,r^2\,\alpha^6$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha\,\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

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 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 4.`14.85583028601747
 r^2 α^3 δ^3 Cos[β] Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747
 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
r^2 α^6 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^4 δ^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 r^2 α^5 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
   -(1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^4 +
(-2.`14.85583028601747 r α^5 Log[δ]^2 - 4.`14.85583028601747 r α^4 δ
   Cos[β] Log[δ]^2 - 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 +
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] -
 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
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$$
\begin{aligned}
&4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r\, \alpha\, \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - \\
&8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2 + \\
&4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta] \\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747 \\
&\quad r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 \\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747 \\
&\quad r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]] \\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\, r\, \alpha^3 \\
&\quad \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]] \\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r \\
&\quad \alpha^5\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]] \\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3\, \delta^2 \\
&\quad \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]] \\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^5 \\
&\quad \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]] \\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3\, \delta^2
\end{aligned}
$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r\, \alpha^5$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2\Bigg) \#1^5 +$$
$$\Big(\alpha^4\, \text{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 + \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 -$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] +$$
$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3$$

$$\begin{aligned}
&\cos[\beta]^3 \log[\alpha+\delta\cos[\beta]]^2+\delta^4\cos[\beta]^4\log[\alpha+\delta\cos[\beta]]^2+\\
&2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]\log[\alpha+\delta\cos[\beta]]^2+\\
&4.`14.85583028601747\,\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]\log[\alpha+\delta\cos[\beta]]^2+\\
&2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3\log[\delta]\log[\alpha+\delta\cos[\beta]]^2+\\
&\alpha^4\log[\delta]^2\log[\alpha+\delta\cos[\beta]]^2+2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\\
&\log[\delta]^2\log[\alpha+\delta\cos[\beta]]^2+\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]^2\log[\alpha+\delta\cos[\beta]]^2-\\
&2.`14.85583028601747\,\alpha^4\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-\\
&4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\\
&\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha^4\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]^2\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+2.`14.85583028601747\\
&\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^2\\
&\delta^2\cos[\beta]^2\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^4\\
&\log[\delta]\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\\
&\cos[\beta]^2\log[\delta]\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-\\
&2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3\log[\delta]\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^4\\
&\log[\delta]^2\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-\\
&4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]^2\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\\
&\cos[\beta]^2\log[\delta]^2\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+
\end{aligned}$$

$$\alpha^4 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^4\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$\alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left. -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]$$

$$\text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^4\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$
$$\left.\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\#1^6+$$
$$\left(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\right.$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha^2$$

$$\delta^2 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\, \alpha\, \delta^3 \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 - 2.`14.85583028601747\, \alpha^2$$
$$\delta^2 \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 +$$
$$\alpha^2 \delta^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 - 2.`14.85583028601747$$
$$\alpha^2 \delta^2 \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 +$$
$$\alpha^2 \delta^2 \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 +$$
$$2.`14.85583028601747\, \alpha^2 \delta^2 \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left. -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\, \alpha\, \delta^3 \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{PolyLog}\left[\right.$$
$$\left. 2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\, \alpha^2 \delta^2 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{PolyLog}\left[\right.$$
$$\left. 2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\, \alpha^2 \delta^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2 + 2.`14.85583028601747\, \alpha^2 \delta^2 \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[\right.$$
$$\left. 2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 +$$
$$\alpha^2 \delta^2 \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right]^2$$
$$\left. \text{Sin}[\beta]^2\right) \#1^7 \&, 2\Big],$$

$$\text{Root}\Big[-16.`14.85583028601747\, c^2 r^2 \alpha^4 + 16.`14.85583028601747\, c^2 r^2 \alpha^2 \delta^2 -$$
$$32.`14.85583028601747\, c^2 r^2 \alpha^3 \delta \text{Cos}[\beta] +$$
$$32.`14.85583028601747\, c^2 r^2 \alpha \delta^3 \text{Cos}[\beta] -$$
$$16.`14.85583028601747\, c^2 r^2 \alpha^2 \delta^2 \text{Cos}[\beta]^2 +$$
$$16.`14.85583028601747\, c^2 r^2 \delta^4 \text{Cos}[\beta]^2 +$$
$$\left(32.`14.85583028601747\, c^2 r \alpha^3 + 64.`14.85583028601747\, c^2 r \alpha^2 \delta \text{Cos}[\beta] +\right.$$
$$\left. 32.`14.85583028601747\, c^2 r \alpha \delta^2 \text{Cos}[\beta]^2\right) \#1 +$$
$$\left(-16.`14.85583028601747\, c^2 \alpha^2 - 32.`14.85583028601747\, c^2 \alpha \delta \text{Cos}[\beta] -\right.$$
$$\left. 16.`14.85583028601747\, c^2 \delta^2 \text{Cos}[\beta]^2\right) \#1^2 -$$

$$
\begin{aligned}
&16.`14.85583028601747\, c^2\, \delta^2\, \text{Sin}[\beta]^2\, \#1^3 + \\
&\Big(r^2\, \alpha^6\, \text{Log}[\delta]^2 - 1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2 + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 + r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 - \\
&\quad 1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \\
&\quad 4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&\quad 4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \\
&\quad 4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&\quad 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&\quad r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2\, \delta^6\, \text{Cos}[\beta]^4\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad 4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&\quad r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big] + \\
&\quad 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta] \\
&\quad \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big] - 4.`14.85583028601747 \\
&\quad r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big] + \\
&\quad 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta] \\
&\quad \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big] - 2.`14.85583028601747
\end{aligned}
$$

$$r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2 \alpha^6$$
$$\text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2 \alpha^3$$
$$\delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2 \alpha^2$$
$$\delta^4 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \text{Cos}[\beta]^3 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2 \alpha$$
$$\delta^5 \text{Cos}[\beta]^3 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^6 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2 \alpha^4$$
$$\delta^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2 \alpha^3 \delta^3$$
$$\text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha\, \delta^5$$

$$\text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^4$$

$$\delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747\, r^2\, \alpha^6$$

$$\text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$

$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2 \alpha^6 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 1.`14.85583028601747$$

$$r^2 \alpha^4 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747 r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747 r^2 \alpha^6$$

$$\text{Log}[\delta] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Log}[\delta] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta]$$

$$\text{Log}[\delta] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747 r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747 r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747 r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

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 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^6 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 r^2 α^4 δ^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 4.`14.85583028601747
 r^2 α^3 δ^3 Cos[β] Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747
 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
r^2 α^6 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^4 δ^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 r^2 α^5 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
   -(1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
```

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\#1^4 +$$

$$\Big(-2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2 - 4.`14.85583028601747\,r\,\alpha^4\,\delta$$

$$\text{Cos}[\beta]\,\text{Log}[\delta]^2 - 2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2 +$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] -$$
$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\,r\,\alpha\,\delta^4\,\text{Cos}[\beta]^4\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\,r\,\alpha^3$$
$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\,r$$
$$\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

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Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 r α^3 δ^2
 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 r α^5
 Log[δ]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 r α^3 δ^2
 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
2.`14.85583028601747 r α^5 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2
 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 +
4.`14.85583028601747 r α^5 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 +
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 + 4.`14.85583028601747
 r α^3 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 -
2.`14.85583028601747 r α^5 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2
 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 - 2.`14.85583028601747
 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 -
4.`14.85583028601747 r α^5 Log[δ] PolyLog[2.`14.85583028601747,
  - (1.`14.85583028601747 δ Cos[β])/α] - 8.`14.85583028601747 r α^4 δ Cos[β]
 Log[δ] PolyLog[2.`14.85583028601747, - (1.`14.85583028601747 δ Cos[β])/α] -
4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]
 PolyLog[2.`14.85583028601747, - (1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 r α^4 δ Cos[β] Log[α + δ Cos[β]]
 PolyLog[2.`14.85583028601747, - (1.`14.85583028601747 δ Cos[β])/α] +
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$$8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r\, \alpha^5$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\#1^5 +$$
$$\Big(\alpha^4\, \text{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 + \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 -$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] +$$
$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3$$
$$\text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$\alpha^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]$$
$$\text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$
$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, \alpha^2$$
$$\delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, \alpha^4$$
$$\text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, \alpha^2\, \delta^2$$

$$\cos[\beta]^2 \log[\delta] \log[\alpha+\delta\cos[\beta]] \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3 \log[\delta] \log[\alpha+\delta\cos[\beta]]$$
$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right] - 2.`14.85583028601747\,\alpha^4$$
$$\log[\delta]^2 \log[\alpha+\delta\cos[\beta]] \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta] \log[\delta]^2 \log[\alpha+\delta\cos[\beta]]$$
$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right] - 2.`14.85583028601747\,\alpha^2\,\delta^2$$
$$\cos[\beta]^2 \log[\delta]^2 \log[\alpha+\delta\cos[\beta]] \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right] +$$
$$\alpha^4 \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 +$$
$$2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta] \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 +$$
$$\alpha^2\,\delta^2\cos[\beta]^2 \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747\,\alpha^4 \log[\delta] \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta] \log[\delta]$$
$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$
$$\alpha^2\,\delta^2\cos[\beta]^2 \log[\delta] \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 +$$
$$\alpha^4 \log[\delta]^2 \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$
$$\alpha^3\,\delta\cos[\beta] \log[\delta]^2 \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 +$$
$$\alpha^2\,\delta^2\cos[\beta]^2 \log[\delta]^2 \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2 +$$
$$2.`14.85583028601747\,\alpha^4 \log[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\cos[\beta]}{\alpha}\right] + 4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]$$
$$\log[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\cos[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\cos[\beta]^2 \log[\delta]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\cos[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta] \log[\alpha+\delta\cos[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\cos[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,\alpha^2\,\delta^2\cos[\beta]^2 \log[\alpha+\delta\cos[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\cos[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3 \log[\alpha+\delta\cos[\beta]]$$

```
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^4 Log[δ] Log[α + δ Cos[β]]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
4.`14.85583028601747 α^3 δ Cos[β] Log[δ] Log[α + δ Cos[β]]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^4 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
4.`14.85583028601747 α^3 δ Cos[β] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 α^4 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 α^3 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] + 2.`14.85583028601747
 α^2 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
α^4 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 α^3 δ Cos[β] PolyLog[2.`14.85583028601747,
   -(1.`14.85583028601747 δ Cos[β])/α]^2 + α^2 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^6 +
(α^2 δ^2 Log[δ]^2 Sin[β]^2 - 2.`14.85583028601747 α δ^3 Cos[β] Log[δ]
   Log[α + δ Cos[β]] Sin[β]^2 - 2.`14.85583028601747 α^2 δ^2 Log[δ]^2
```

$$\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2 + \delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2 +$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2 +$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2 - 2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 +$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2 + 2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 + 2.`14.85583028601747\,\alpha^2$$
$$\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 +$$
$$\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2 - 2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2 +$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2 +$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 -$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2 + 2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2 +$$
$$\alpha^2\,\delta^2\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2$$

```
      Sin[β]^2) #1^7 &, 3],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
  32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
  32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
  16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
  16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
  (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
     32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
  (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
     16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
  16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
  (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
     2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
     1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
     2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
     4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
     4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
     2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
     2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
     2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
     4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
     4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
     2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
     2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
     r^2 α^4 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
     1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[α + δ Cos[β]]^2 +
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
     2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[α + δ Cos[β]]^2 +
     r^2 α^2 δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
     1.`14.85583028601747 r^2 δ^6 Cos[β]^4 Log[α + δ Cos[β]]^2 +
     2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]]^2 +
     4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
     4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 +
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
     2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 +
     r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]]^2 -
     1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
     2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 +
     r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
```

$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^6$$
$$\text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^3$$
$$\delta^3\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^2$$
$$\delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha$$
$$\delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4$$

$$\delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha\, \delta^5$$

$$\text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^4$$

$$\delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747\, r^2\, \alpha^6$$

$$\text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 1.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747\, r^2\, \alpha^6$$

$$\text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]$$

$$\text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$

$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$r^2\,\alpha^6\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\,r^2\,\alpha^4\,\delta^2$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

```
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
 2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
   -(1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
 1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^4 +
(-2.`14.85583028601747 r α^5 Log[δ]^2 - 4.`14.85583028601747 r α^4 δ
   Cos[β] Log[δ]^2 - 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 +
  4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
  8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
  4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
  4.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]] +
  8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
  4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] -
  2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
  4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
  2.`14.85583028601747 r α δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
  4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
  8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
  4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
  2.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]]^2 -
  4.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
  2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
  4.`14.85583028601747 r α^5 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
  8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]
   Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747
   r α^3 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
  4.`14.85583028601747 r α^5 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
  8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2
   Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747
   r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
  4.`14.85583028601747 r α^4 δ Cos[β] Log[α + δ Cos[β]]
   Log[1.`14.85583028601747 + (δ Cos[β])/α] - 8.`14.85583028601747 r α^3
```

$$\delta^2 \cos[\beta]^2 \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^2 \delta^3 \cos[\beta]^3 \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r$$
$$\alpha^5 \log[\delta] \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^4 \delta \cos[\beta] \log[\delta] \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3 \delta^2$$
$$\cos[\beta]^2 \log[\delta] \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^2 \delta^3 \cos[\beta]^3 \log[\delta] \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^5$$
$$\log[\delta]^2 \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4 \delta \cos[\beta] \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3 \delta^2$$
$$\cos[\beta]^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r\, \alpha^5 \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4 \delta \cos[\beta] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^3 \delta^2 \cos[\beta]^2$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 +$$
$$4.`14.85583028601747\, r\, \alpha^5 \log[\delta] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 +$$
$$8.`14.85583028601747\, r\, \alpha^4 \delta \cos[\beta] \log[\delta]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$
$$r\, \alpha^3 \delta^2 \cos[\beta]^2 \log[\delta] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^5 \log[\delta]^2 \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4 \delta \cos[\beta] \log[\delta]^2$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$
$$r\, \alpha^3 \delta^2 \cos[\beta]^2 \log[\delta]^2 \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^5 \log[\delta]\, \text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left. -\frac{1.`14.85583028601747\, \delta \cos[\beta]}{\alpha}\right] - 8.`14.85583028601747\, r\, \alpha^4 \delta \cos[\beta]$$

$$\text{Log}[\delta]\ \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\ \alpha^2\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}[\delta]\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$

$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$$

```
Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
 -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747 r α^5
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
4.`14.85583028601747 r α^4 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^5 +
(α^4 Log[δ]^2 + 2.`14.85583028601747 α^3 δ Cos[β] Log[δ]^2 + α^2 δ^2 Cos[β]^2 Log[δ]^2 -
 2.`14.85583028601747 α^3 δ Cos[β] Log[δ] Log[α + δ Cos[β]] -
 4.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
 2.`14.85583028601747 α δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
 2.`14.85583028601747 α^4 Log[δ]^2 Log[α + δ Cos[β]] -
 4.`14.85583028601747 α^3 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
 2.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
 α^2 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 + 2.`14.85583028601747 α δ^3
  Cos[β]^3 Log[α + δ Cos[β]]^2 + δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 +
 2.`14.85583028601747 α^3 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 +
 4.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 +
 2.`14.85583028601747 α δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 +
 α^4 Log[δ]^2 Log[α + δ Cos[β]]^2 + 2.`14.85583028601747 α^3 δ Cos[β]
  Log[δ]^2 Log[α + δ Cos[β]]^2 + α^2 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 α^4 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
 4.`14.85583028601747 α^3 δ Cos[β] Log[δ]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] - 2.`14.85583028601747
  α^2 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
 2.`14.85583028601747 α^4 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] +
 4.`14.85583028601747 α^3 δ Cos[β] Log[δ]^2
  Log[1.`14.85583028601747 + (δ Cos[β])/α] + 2.`14.85583028601747
  α^2 δ^2 Cos[β]^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] +
 2.`14.85583028601747 α^3 δ Cos[β] Log[α + δ Cos[β]]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 α^2
  δ^2 Cos[β]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
```

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$\alpha^4\,\text{PolyLog}\left[2.`14.85583028601747,\,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,\,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{PolyLog}\left[2.`14.85583028601747,\,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\#1^6+$$

$$\Bigg(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$

$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$

$$\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2-2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.`14.85583028601747,\,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.`14.85583028601747,\,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$

```
2.`14.85583028601747 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]
 Sin[β]^2 + 2.`14.85583028601747 α^2 δ^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 +
α^2 δ^2 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2
 Sin[β]^2) #1^7 &, 4],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
 32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
 32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
 16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
 16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
 (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
    32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
 (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
    16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
 16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
 (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
    2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
    1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
    2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
    4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
    4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
    2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
    4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
    4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
    2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
    r^2 α^4 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
    1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[α + δ Cos[β]]^2 +
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
    2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[α + δ Cos[β]]^2 +
    r^2 α^2 δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
    1.`14.85583028601747 r^2 δ^6 Cos[β]^4 Log[α + δ Cos[β]]^2 +
```

$$
\begin{aligned}
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta] \\
&\quad \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747 \\
&\quad r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta] \\
&\quad \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta] \\
&\quad \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 \\
&\quad r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2 \\
&\quad \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747 \\
&\quad r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 \\
&\quad \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 \\
&\quad r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 \\
&\quad \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5 \\
&\quad \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]
\end{aligned}
$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^4$$

$$\delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^3$$

$$\delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2$$

$$\alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5\, \delta$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3$$

$$\text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2$$

$$\alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^5\, \delta$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\cos[\beta]^2 \log[\delta]^2 \log[\alpha+\delta\cos[\beta]] \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+$$

$$r^2\alpha^6 \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-$$

$$1.`14.85583028601747\, r^2\alpha^4\delta^2 \log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\, r^2\alpha^5\delta\cos[\beta]$$

$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$r^2\alpha^3\delta^3\cos[\beta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+$$

$$r^2\alpha^4\delta^2\cos[\beta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-$$

$$1.`14.85583028601747\, r^2\alpha^2\delta^4\cos[\beta]^2$$

$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-2.`14.85583028601747\, r^2\alpha^6$$

$$\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$

$$r^2\alpha^4\delta^2\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\, r^2\alpha^5\delta\cos[\beta]\log[\delta]$$

$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+4.`14.85583028601747$$

$$r^2\alpha^3\delta^3\cos[\beta]\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\, r^2\alpha^4\delta^2\cos[\beta]^2\log[\delta]$$

$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$

$$r^2\alpha^2\delta^4\cos[\beta]^2\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+$$

$$r^2\alpha^6\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-1.`14.85583028601747$$

$$r^2\alpha^4\delta^2\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\, r^2\alpha^5\delta\cos[\beta]\log[\delta]^2$$

$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$r^2\alpha^3\delta^3\cos[\beta]\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+$$

$$r^2\alpha^4\delta^2\cos[\beta]^2\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2-$$

$$1.`14.85583028601747\, r^2\alpha^2\delta^4\cos[\beta]^2\log[\delta]^2$$

$$\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]^2+2.`14.85583028601747\, r^2\alpha^6$$

$$\log[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\cos[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$
\begin{aligned}
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta] \\
&\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, \right. \\
&\left. -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747 \\
&r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \\
&\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&r^2\, \alpha^6\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - \\
&1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2 \\
&\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 + \\
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta] \\
&\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{PolyLog}\left[2.`14.85583028601747, \right. \\
&\left. -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 + r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2 \\
&\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - \\
&1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2 \\
&\left.\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2\right) \#1^4 + \\
&\Big(-2.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2 - 4.`14.85583028601747\, r\, \alpha^4\, \delta \\
&\text{Cos}[\beta]\, \text{Log}[\delta]^2 - 2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 + \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \\
&4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \\
&2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r\, \alpha\, \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \\
&4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + \\
&8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]
\end{aligned}
$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\ r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\ r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\ r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 8.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\ r\,\alpha^5\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 4.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747\ r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 8.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left. -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$
\begin{aligned}
&4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \\
&\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \\
&\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&8.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta] \\
&\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \\
&\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta] \\
&\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \mathrm{PolyLog}\left[2.`14.85583028601747, \right. \\
&\left. -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r\, \alpha^5 \\
&\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2 - \\
&4.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta] \\
&\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2 - \\
&2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2 \\
&\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2\Bigg)\, \#1^5 + \\
&\Big(\alpha^4\, \mathrm{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2 - \\
&2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \\
&4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \\
&2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \\
&2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \\
&4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \\
&2.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + \\
&\alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3 \\
&\mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \delta^4\, \mathrm{Cos}[\beta]^4\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&\alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta] \\
&\mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta] \\
&\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747
\end{aligned}
$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^2$$

$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^4$$

$$\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^4$$

$$\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$

$$\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747,$$
$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^4\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,$$
$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\#1^6+$$
$$\Bigg(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$

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    α^2 δ^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 +
    2.`14.85583028601747 α^2 δ^2 Log[δ] PolyLog[2.`14.85583028601747,
      -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
    2.`14.85583028601747 α δ^3 Cos[β] Log[α + δ Cos[β]] PolyLog[
      2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
    2.`14.85583028601747 α^2 δ^2 Log[δ] Log[α + δ Cos[β]] PolyLog[
      2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
    2.`14.85583028601747 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
     PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]
     Sin[β]^2 + 2.`14.85583028601747 α^2 δ^2 Log[δ]
     Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[
      2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 +
    α^2 δ^2 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2
     Sin[β]^2) #1^7 &, 5],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
   32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
   32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
   16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
   16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
   (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
      32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
   (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
      16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
   16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
   (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
      2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
      1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
      2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
      4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
      4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
```

$$
\begin{aligned}
&2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]-\\
&4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]-\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]+\\
&r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \delta^6\, \text{Cos}[\beta]^4\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2+\\
&r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\, \text{Cos}[\beta]]^2-\\
&2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\\
&\quad r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+\\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\\
&\quad r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-\\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\\
&\quad \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\\
&\quad r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747+\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]-
\end{aligned}
$$

$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$
$$r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5$$
$$\delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^4$$
$$\delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^3$$
$$\delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2$$
$$\alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5\, \delta$$
$$\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2$$
$$\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3$$
$$\text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2$$
$$\alpha^6\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2\, \alpha^5\, \delta$$

$$\text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4$$

$$\text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747\, r^2\, \alpha^6$$

$$\text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$

$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 1.`14.85583028601747$$

$$r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\,\text{Cos}[\beta]\, \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747\,r^2\,\alpha^6$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha\,\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

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 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 4.`14.85583028601747
 r^2 α^3 δ^3 Cos[β] Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747
 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
r^2 α^6 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^4 δ^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 r^2 α^5 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
   -(1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^4 +
(-2.`14.85583028601747 r α^5 Log[δ]^2 - 4.`14.85583028601747 r α^4 δ
   Cos[β] Log[δ]^2 - 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 +
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] -
 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
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$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r\, \alpha\, \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747$$
$$r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\, r\, \alpha^3$$
$$\delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r$$
$$\alpha^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3\, \delta^2$$
$$\text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^5$$
$$\text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r\, \alpha^3\, \delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r\, \alpha^5$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2\Bigg) \#1^5 +$$
$$\Big(\alpha^4\, \text{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 + \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 -$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] +$$
$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3$$

$$\begin{aligned}
&\cos[\beta]^3 \log[\alpha+\delta\cos[\beta]]^2+\delta^4\cos[\beta]^4\log[\alpha+\delta\cos[\beta]]^2+\\
&2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]\log[\alpha+\delta\cos[\beta]]^2+\\
&4.`14.85583028601747\,\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]\log[\alpha+\delta\cos[\beta]]^2+\\
&2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3\log[\delta]\log[\alpha+\delta\cos[\beta]]^2+\\
&\alpha^4\log[\delta]^2\log[\alpha+\delta\cos[\beta]]^2+2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\\
&\log[\delta]^2\log[\alpha+\delta\cos[\beta]]^2+\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]^2\log[\alpha+\delta\cos[\beta]]^2-\\
&2.`14.85583028601747\,\alpha^4\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-\\
&4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\\
&\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha^4\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]^2\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+2.`14.85583028601747\\
&\alpha^2\,\delta^2\cos[\beta]^2\log[\delta]^2\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^2\\
&\delta^2\cos[\beta]^2\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^4\\
&\log[\delta]\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+\\
&2.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\\
&\cos[\beta]^2\log[\delta]\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-\\
&2.`14.85583028601747\,\alpha\,\delta^3\cos[\beta]^3\log[\delta]\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^4\\
&\log[\delta]^2\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-\\
&4.`14.85583028601747\,\alpha^3\,\delta\cos[\beta]\log[\delta]^2\log[\alpha+\delta\cos[\beta]]\\
&\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\\
&\cos[\beta]^2\log[\delta]^2\log[\alpha+\delta\cos[\beta]]\log\left[1.`14.85583028601747+\frac{\delta\cos[\beta]}{\alpha}\right]+
\end{aligned}$$

$$\alpha^4 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^4\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$

$$\alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left. -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]$$

$$\text{Log}[\delta]\, \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, \alpha^3\, \delta \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^4\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\#1^6+$$
$$\Big(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

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  Log[1.`14.85583028601747 + (δ Cos[β])/α] Sin[β]^2 -
 2.`14.85583028601747 α δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] Sin[β]^2 -
 2.`14.85583028601747 α^2 δ^2 Log[δ]^2 Log[α + δ Cos[β]]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] Sin[β]^2 +
 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 - 2.`14.85583028601747
  α^2 δ^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 +
 α^2 δ^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 +
 2.`14.85583028601747 α^2 δ^2 Log[δ] PolyLog[2.`14.85583028601747,
   -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
 2.`14.85583028601747 α δ^3 Cos[β] Log[α + δ Cos[β]] PolyLog[
   2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
 2.`14.85583028601747 α^2 δ^2 Log[δ] Log[α + δ Cos[β]] PolyLog[
   2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
 2.`14.85583028601747 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
  PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]
  Sin[β]^2 + 2.`14.85583028601747 α^2 δ^2 Log[δ]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[
   2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 +
 α^2 δ^2 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2
  Sin[β]^2) #1^7 &, 6],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
  32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
  32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
  16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
  16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
  (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
     32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
  (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
```

$$
\begin{aligned}
&16.`14.85583028601747\, c^2\, \delta^2 \cos[\beta]^2\big)\, \#1^2 - \\
&16.`14.85583028601747\, c^2\, \delta^2 \sin[\beta]^2\, \#1^3 + \\
&\Big(r^2 \alpha^6 \log[\delta]^2 - 1.`14.85583028601747\, r^2 \alpha^4 \delta^2 \log[\delta]^2 + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^5 \delta \cos[\beta] \log[\delta]^2 - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta] \log[\delta]^2 + r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log[\delta]^2 - \\
&\quad 1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2 \log[\delta]^2 - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^5 \delta \cos[\beta] \log[\delta] \log[\alpha + \delta \cos[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta] \log[\delta] \log[\alpha + \delta \cos[\beta]] - \\
&\quad 4.`14.85583028601747\, r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log[\delta] \log[\alpha + \delta \cos[\beta]] + \\
&\quad 4.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2 \log[\delta] \log[\alpha + \delta \cos[\beta]] - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta]^3 \log[\delta] \log[\alpha + \delta \cos[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2 \alpha \delta^5 \cos[\beta]^3 \log[\delta] \log[\alpha + \delta \cos[\beta]] - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^6 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] - \\
&\quad 4.`14.85583028601747\, r^2 \alpha^5 \delta \cos[\beta] \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] + \\
&\quad 4.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta] \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] + \\
&\quad r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2 \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta]^3 \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2 \alpha \delta^5 \cos[\beta]^3 \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad r^2 \alpha^2 \delta^4 \cos[\beta]^4 \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2 \delta^6 \cos[\beta]^4 \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^5 \delta \cos[\beta] \log[\delta] \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta] \log[\delta] \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad 4.`14.85583028601747\, r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log[\delta] \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 4.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2 \log[\delta] \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta]^3 \log[\delta] \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2 \alpha \delta^5 \cos[\beta]^3 \log[\delta] \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad r^2 \alpha^6 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2 \alpha^4 \delta^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^5 \delta \cos[\beta] \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta] \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]^2 + \\
&\quad r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]^2 - \\
&\quad 2.`14.85583028601747\, r^2 \alpha^6 \log[\delta] \log\Big[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\Big] + \\
&\quad 2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \log[\delta] \\
&\quad \log\Big[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\Big] - 4.`14.85583028601747 \\
&\quad r^2 \alpha^5 \delta \cos[\beta] \log[\delta] \log\Big[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\Big] + \\
&\quad 4.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta] \log[\delta] \\
&\quad \log\Big[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\Big] -
\end{aligned}
$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$
$$r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747$$
$$r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$
$$r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5$$
$$\delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, r^2\, \alpha^4$$
$$\delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^3$$
$$\delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2$$
$$\alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5\, \delta$$
$$\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2$$

$$\cos[\beta]^2 \log[\delta] \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2 \log[\delta] \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2 \alpha^3 \delta^3$$
$$\cos[\beta]^3 \log[\delta] \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha \delta^5 \cos[\beta]^3 \log[\delta] \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2$$
$$\alpha^6 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2 \alpha^5 \delta$$
$$\cos[\beta] \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^3 \delta^3 \cos[\beta] \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2 \alpha^2 \delta^4$$
$$\cos[\beta]^2 \log[\delta]^2 \log[\alpha + \delta \cos[\beta]] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right] +$$
$$r^2 \alpha^6 \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$1.`14.85583028601747\, r^2 \alpha^4 \delta^2 \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \cos[\beta]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \cos[\beta] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 +$$
$$r^2 \alpha^4 \delta^2 \cos[\beta]^2 \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \cos[\beta]^2$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747\, r^2 \alpha^6$$
$$\log[\delta] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \log[\delta] \log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r^2 \alpha^5 \delta \cos[\beta] \log[\delta]$$
$$\log\left[1.`14.85583028601747 + \frac{\delta \cos[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$

$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747$$
$$r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$r^2 \alpha^6 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 1.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.`14.85583028601747 r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.`14.85583028601747 r^2 \alpha^6$$
$$\text{Log}[\delta] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Log}[\delta] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta]$$
$$\text{Log}[\delta] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747 r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747 r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747 r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747 \delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

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 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^6 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 r^2 α^4 δ^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 4.`14.85583028601747
 r^2 α^3 δ^3 Cos[β] Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747
 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
r^2 α^6 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^4 δ^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 r^2 α^5 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
   -(1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
```

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\#1^4 +$$

$$\Bigg(-2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2 - 4.`14.85583028601747\,r\,\alpha^4\,\delta$$

$$\text{Cos}[\beta]\,\text{Log}[\delta]^2 - 2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2 +$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$
$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] -$$
$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\,r\,\alpha\,\delta^4\,\text{Cos}[\beta]^4\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\,r\,\alpha^3$$
$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\,r$$
$$\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^3\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^5$$

$$\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\ r\,\alpha^3\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\ r\,\alpha^5\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$4.`14.85583028601747\ r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$8.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + 4.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\ r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\ r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left. -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r\, \alpha^5$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\#1^5 +$$

$$\Bigg(\alpha^4\, \text{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2 + \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 -$$

$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$

$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$

$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$

$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] -$$

$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] +$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3$$

$$\text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \delta^4\, \text{Cos}[\beta]^4\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$

$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$

$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$

$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$

$$\alpha^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]$$

$$\text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, \alpha^4\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$

$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, \alpha^2$$

$$\delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, \alpha^4$$

$$\text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, \alpha^2\, \delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^4$$
$$\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$
$$\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

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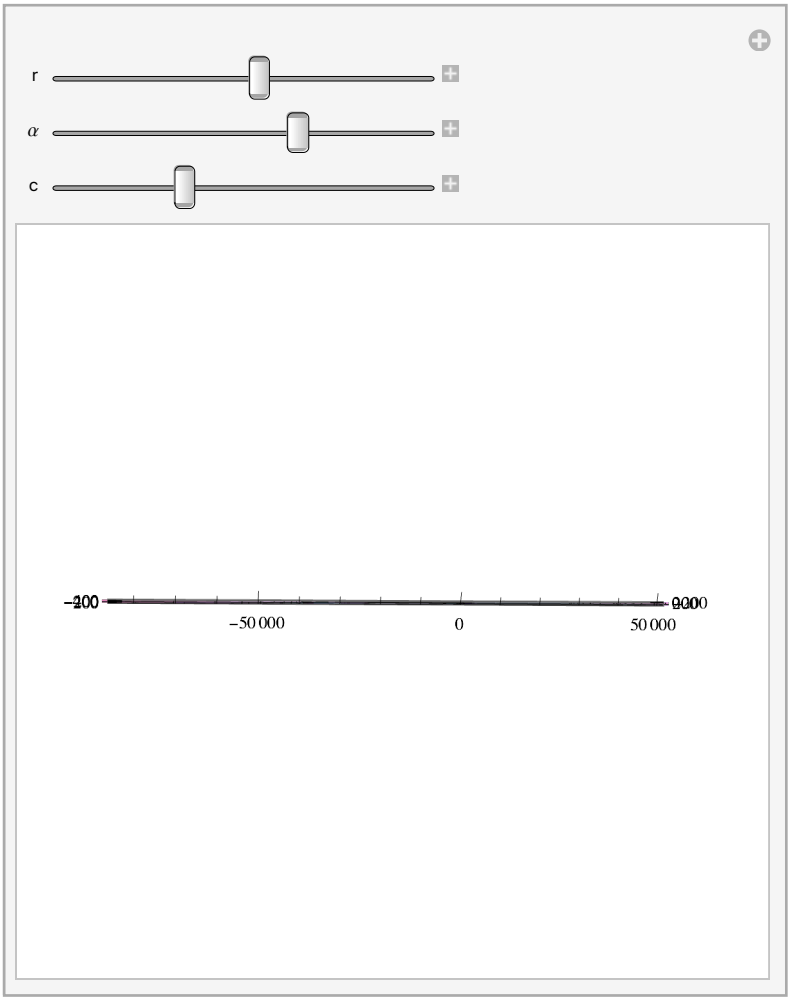
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^4 Log[δ] Log[α + δ Cos[β]]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
4.`14.85583028601747 α^3 δ Cos[β] Log[δ] Log[α + δ Cos[β]]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^4 Log[1.`14.85583028601747 + (δ Cos[β])/α]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
4.`14.85583028601747 α^3 δ Cos[β] Log[1.`14.85583028601747 + (δ Cos[β])/α]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] -
2.`14.85583028601747 α^2 δ^2 Cos[β]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 α^4 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
4.`14.85583028601747 α^3 δ Cos[β] Log[δ]
Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
-(1.`14.85583028601747 δ Cos[β])/α] + 2.`14.85583028601747
α^2 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
α^4 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 α^3 δ Cos[β] PolyLog[2.`14.85583028601747,
-(1.`14.85583028601747 δ Cos[β])/α]^2 + α^2 δ^2 Cos[β]^2
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^6 +
(α^2 δ^2 Log[δ]^2 Sin[β]^2 - 2.`14.85583028601747 α δ^3 Cos[β] Log[δ]
Log[α + δ Cos[β]] Sin[β]^2 - 2.`14.85583028601747 α^2 δ^2 Log[δ]^2
```

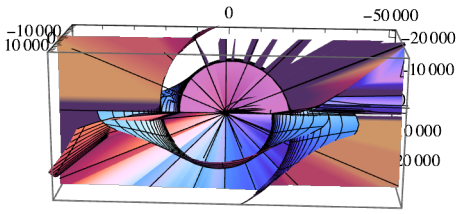
$$\begin{aligned}
&\text{Log}[\alpha + \delta \text{Cos}[\beta]]\ \text{Sin}[\beta]^2 + \delta^4 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 + \\
&2.`14.85583028601747\ \alpha\ \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 + \\
&\alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 - 2.`14.85583028601747 \\
&\alpha^2 \delta^2 \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 + \\
&2.`14.85583028601747\ \alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \\
&\text{Sin}[\beta]^2 + 2.`14.85583028601747\ \alpha\ \delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \\
&\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 + \\
&2.`14.85583028601747\ \alpha^2 \delta^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \\
&\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 - \\
&2.`14.85583028601747\ \alpha\ \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \\
&\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 - \\
&2.`14.85583028601747\ \alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \\
&\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 + \\
&\alpha^2 \delta^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 - 2.`14.85583028601747 \\
&\alpha^2 \delta^2 \text{Log}[\delta] \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 + \\
&\alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 + \\
&2.`14.85583028601747\ \alpha^2 \delta^2 \text{Log}[\delta]\ \text{PolyLog}\left[2.`14.85583028601747,\right. \\
&\left. -\frac{1.`14.85583028601747\ \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 - \\
&2.`14.85583028601747\ \alpha\ \delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]\ \text{PolyLog}\left[\right. \\
&\left. 2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 - \\
&2.`14.85583028601747\ \alpha^2 \delta^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]\ \text{PolyLog}\left[\right. \\
&\left. 2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 - \\
&2.`14.85583028601747\ \alpha^2 \delta^2 \text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \\
&\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta \text{Cos}[\beta]}{\alpha}\right] \\
&\text{Sin}[\beta]^2 + 2.`14.85583028601747\ \alpha^2 \delta^2 \text{Log}[\delta] \\
&\text{Log}\left[1.`14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[\right. \\
&\left. 2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 + \\
&\alpha^2 \delta^2 \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta \text{Cos}[\beta]}{\alpha}\right]^2
\end{aligned}$$

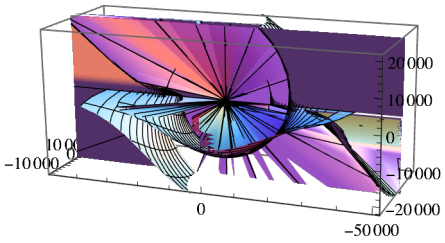
```
        Sin[β]^2 ) #1^7 &, 7]},
  {δ, 0, 2 π}, {β, 0, π / 2}, PlotTheme → {"Classic",
    "ClassicLights"}],
 {r, 1, 10}, {α, .01,
  2
   π}, {c,
  2.99792458
   (10^
     8), 50 (2.99792458
     (10^8))}]
```

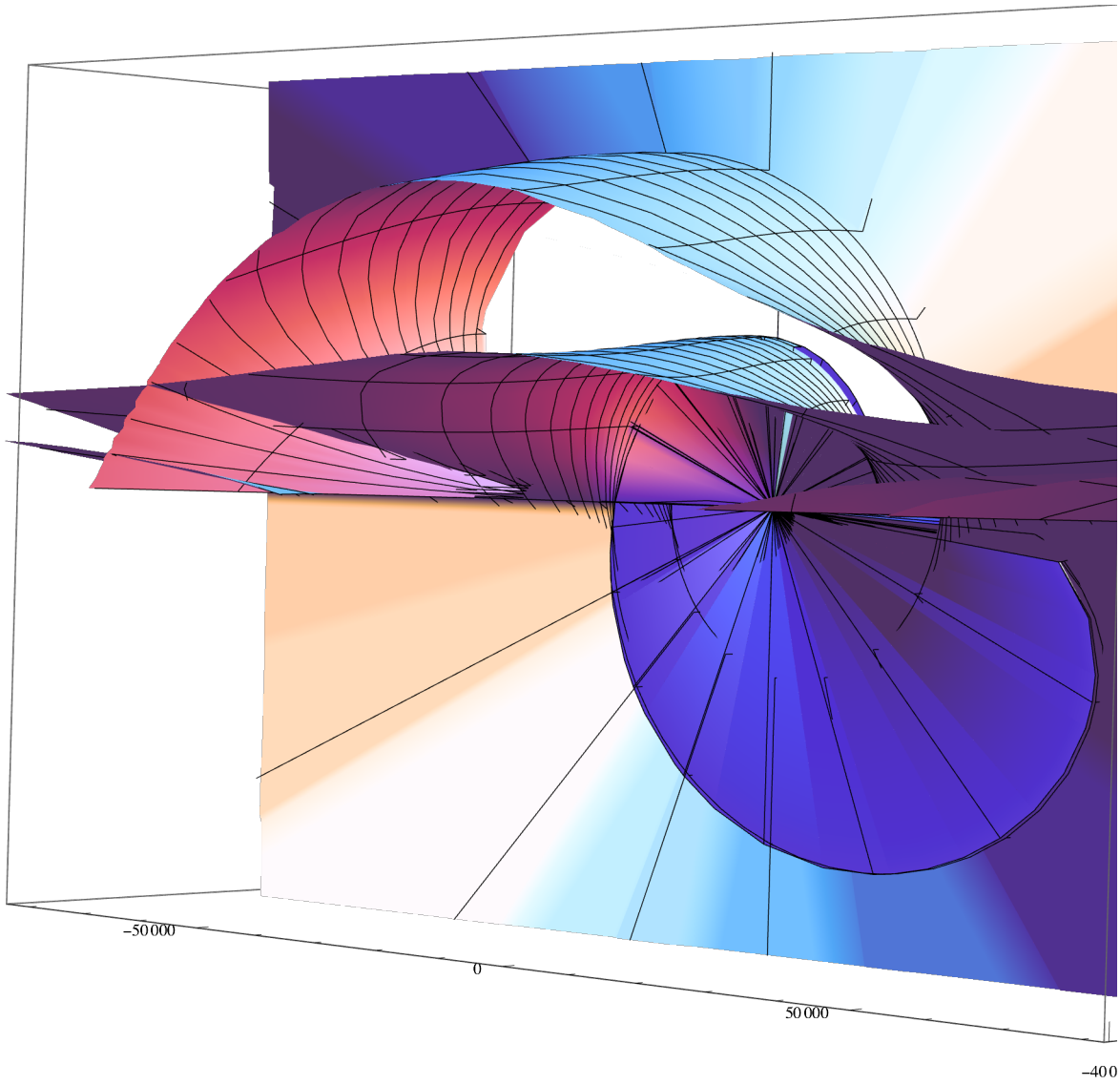
Out[•]=



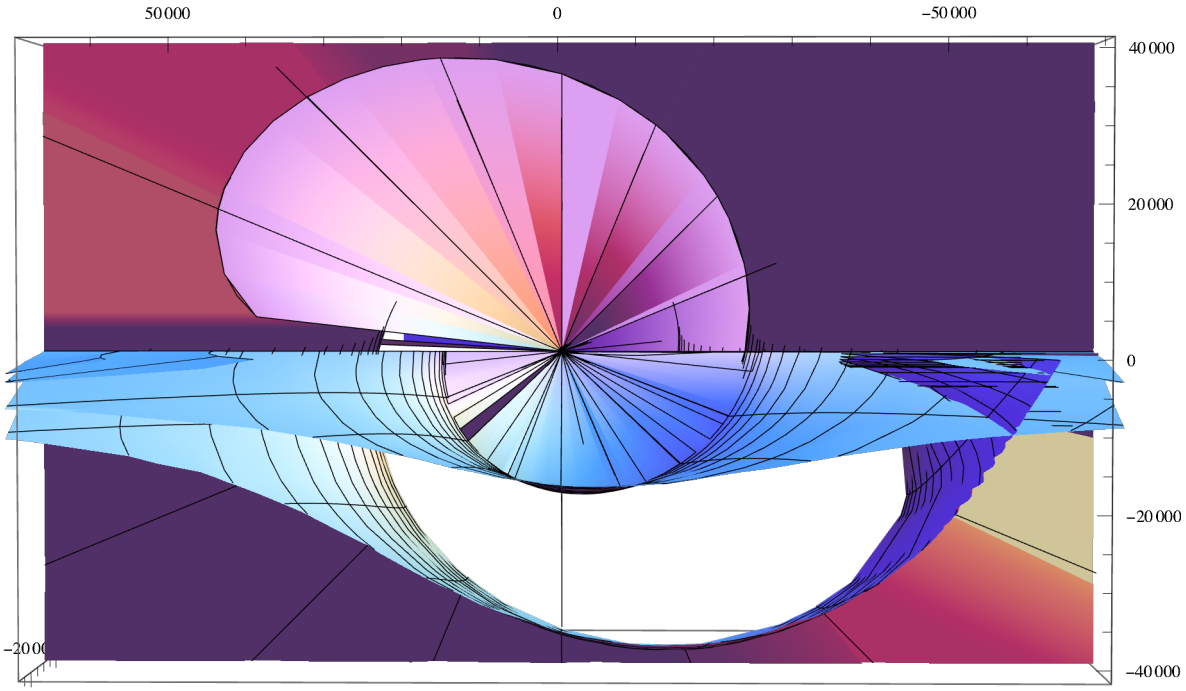

```
c = ~50 (2.9 ×
     poooo9792458 (10^8))
```


0
−50 000
−10 000
10 000
−20 000
10 000

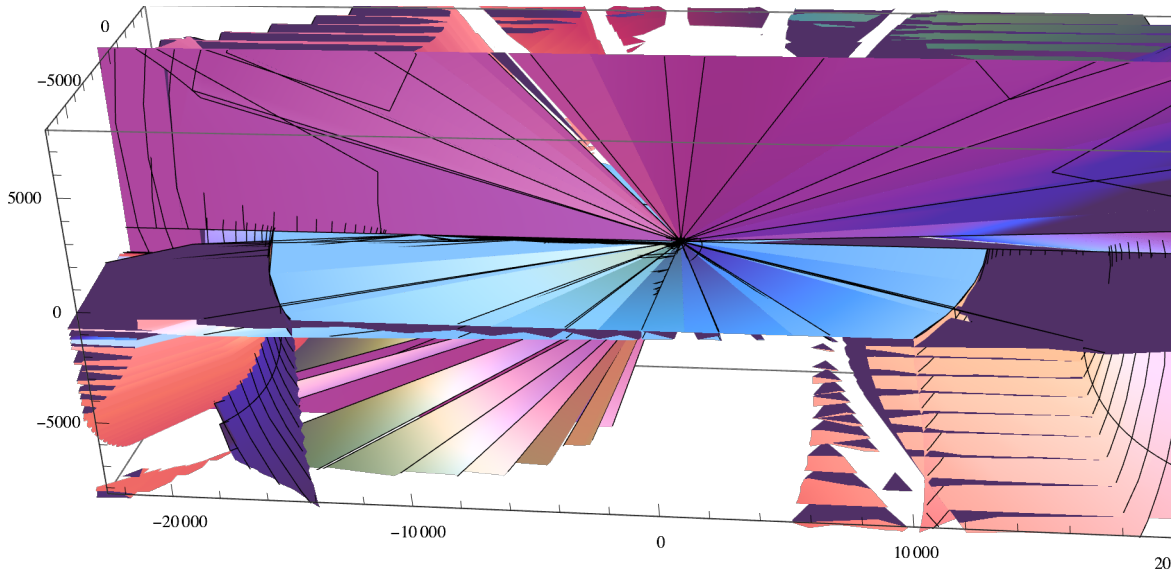

20 000
10 000
0
−10 000
−20 000
−10 000
0
0
−50 000



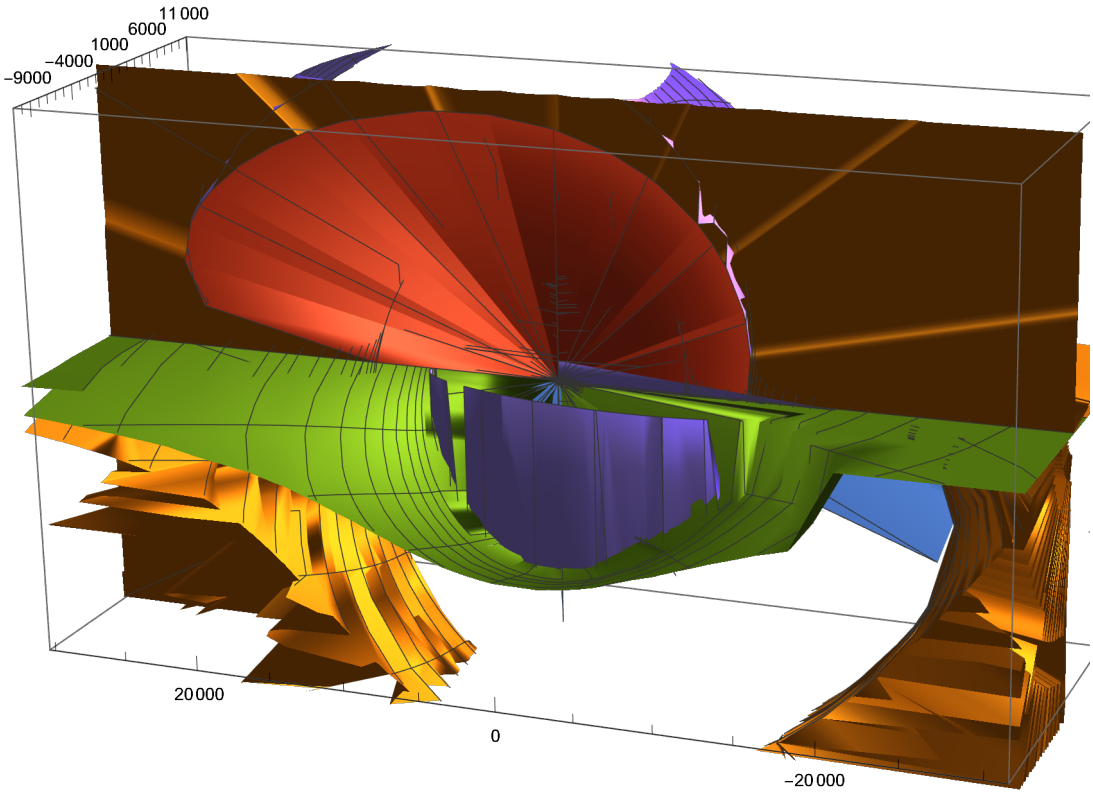

```
~2.5 * c; α = ~π
```


50 000
0
−50 000
40 000
20 000
0
−20 000
−40 000

~4 * c :


0
−5000
5000
0
−5000
−20 000
−10 000
0
10 000

~1 * c :



What has been shown here is that although "c," the speed of light,
can numerically exceed the currently defined value - meaning,
the form maintains ***integrity***. It is not until one gets to levels of
c^2 that the integrity of the graphical form degenerates into a line,
and can even make the program crash. Thus, we should revise our meaning for,
"light speed," as that level which will collapse the form . Other variables,
like α, when increased,
may be able to provide higher stability to the form at higher values of "c."

10. The Nature of Mass - Matter as Multi-Dimensional Resonant Frequency in a Broader Equation - The Coefficients Are the Path

$$\text{Solve}\left[\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r z \alpha \theta + c^2 z \delta^2 \eta^2 \theta + c^2 z^2 \theta^2} == v \sqrt{r^2 \alpha^2 - 1.` r^2 \delta^2 - 2.` r z \alpha \theta + z \delta^2 \eta^2 \theta + z^2 \theta^2}, \eta\right]$$

$$\left\{\left\{\eta \to -\left(\left((0. + 1.\, i) \sqrt{\left(1.\, c^2 r^2 \alpha^2 - 1.\, r^2 v^2 \alpha^2 - 1.\, c^2 r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 - 2.\, c^2 r z \alpha \theta + 2.\, r v^2 z \alpha \theta + 1.\, c^2 z^2 \theta^2 - 1.\, v^2 z^2 \theta^2\right)}\right) \Big/ \left(\sqrt{1.\, c^2 - 1.\, v^2}\ \sqrt{z}\ \delta\ \sqrt{\theta}\right)\right)\right\},\right.$$

$$\left.\left\{\eta \to \frac{1}{\sqrt{1.\, c^2 - 1.\, v^2}\ \sqrt{z}\ \delta\ \sqrt{\theta}} (0. + 1.\, i) \sqrt{\left(1.\, c^2 r^2 \alpha^2 - 1.\, r^2 v^2 \alpha^2 - 1.\, c^2 r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 - 2.\, c^2 r z \alpha \theta + 2.\, r v^2 z \alpha \theta + 1.\, c^2 z^2 \theta^2 - 1.\, v^2 z^2 \theta^2\right)}\right\}\right\}$$

$$\eta = \frac{z \theta}{\alpha + \delta \text{Cos}[\beta]} \text{Sin}[\beta]$$

In[•]:=
$$\text{Solve}\left[\frac{1}{\sqrt{1.` c^2 - 1.` v^2}\ \sqrt{z}\ \delta\ \sqrt{\theta}} (0.` + 1.` i) \sqrt{\left(1.` c^2 r^2 \alpha^2 - 1.` r^2 v^2 \alpha^2 - 1.` c^2 r^2 \delta^2 + 1.` r^2 v^2 \delta^2 - 2.` c^2 r z \alpha \theta + 2.` r v^2 z \alpha \theta + 1.` c^2 z^2 \theta^2 - 1.` v^2 z^2 \theta^2\right)} == \frac{z \theta}{\alpha + \delta \text{Cos}[\beta]} \text{Sin}[\beta], \alpha\right]$$

Out[•]=
$$\left\{\left\{\alpha \to -\frac{0.5 \left(8.98755 \times 10^{16} z \theta - 1.\, v^2 z \theta - 8.98755 \times 10^{16} r \delta \text{Cos}[\beta] + 1.\, r v^2 \delta \text{Cos}[\beta]\right)}{r \left(-8.98755 \times 10^{16} + v^2\right)} - 0.5 \sqrt{\left(\frac{1.\, \left(8.98755 \times 10^{16} z \theta - 1.\, v^2 z \theta - 8.98755 \times 10^{16} r \delta \text{Cos}[\beta] + 1.\, r v^2 \delta \text{Cos}[\beta]\right)^2}{r^2 \left(-8.98755 \times 10^{16} + v^2\right)^2} - \frac{1}{r^2 \left(-8.98755 \times 10^{16} + v^2\right)} 0.666667 \left(8.98755 \times 10^{16} r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - 8.98755 \times 10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502 \times 10^{17} r z \delta \theta \text{Cos}[\beta] - 4.\, r v^2 z \delta \theta \text{Cos}[\beta] - 8.98755 \times 10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2\right) + \left(0.419974 \left(12.\, r \delta \text{Cos}[\beta] \left(8.98755 \times 10^{16} z \theta - 1.\, v^2 z \theta - 8.98755 \times 10^{16} r \delta \text{Cos}[\beta] + 1.\, r v^2 \delta \text{Cos}[\beta]\right) \left(-8.98755 \times 10^{16} r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 + 8.98755 \times 10^{16} z^2 \theta^2 - 1.\, v^2 z^2 \theta^2 - 8.98755 \times 10^{16} r z \delta \theta \text{Cos}[\beta] + 1.\, r v^2 z \delta \theta \text{Cos}[\beta]\right) + \left(8.98755 \times 10^{16} r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - 8.98755 \times 10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502 \times 10^{17} r z \delta \theta \text{Cos}[\beta] - 4.\, r v^2 z \delta \theta \text{Cos}[\beta] - 8.98755 \times 10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2\right)^2 -\right.\right.\right.$$

$$12.\, r^2 \left(-8.98755\times 10^{16}+v^2\right) \delta^2 \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+ r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2-1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2-1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)\Big)\Big/$$

$$\Big(r^2 \left(-8.98755\times 10^{16}+1.\, v^2\right) \Big(108.\, r^2 \left(-8.98755\times 10^{16}+v^2\right) \delta^2\, \text{Cos}[\beta]^2 \left(-8.98755\times 10^{16}\, r^2\, \delta^2+1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-1.\, v^2\, z^2\, \theta^2- 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2+36.\, r\, \delta\, \text{Cos}[\beta] \left(8.98755\times 10^{16}\, z\, \theta-1.\, v^2\, z\, \theta-8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta]+ 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \left(-8.98755\times 10^{16}\, r^2\, \delta^2+1.\, r^2\, v^2\, \delta^2+ 8.98755\times 10^{16}\, z^2\, \theta^2-1.\, v^2\, z^2\, \theta^2-8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+ 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right) \left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2- 8.98755\times 10^{16}\, z^2\, \theta^2+v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]- 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)+ 2.\, \left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\, z^2\, \theta^2+ v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]- 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^3-108.\, r^2\, \delta^2 \left(8.98755\times 10^{16}\, z\, \theta-1.\, v^2\, z\, \theta-8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta]+1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)^2 \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2-1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2-1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)+72.\, r^2 \left(-8.98755\times 10^{16}+v^2\right) \delta^2 \left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\, z^2\, \theta^2+v^2\, z^2\, \theta^2+ 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+ r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2-1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2-1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)+ \sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \text{Cos}[\beta] \left(8.98755\times 10^{16}\, z\, \theta-1.\, v^2\, z\, \theta-8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta]+1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \left(-8.98755\times 10^{16}\, r^2\, \delta^2+1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-1.\, v^2\, z^2\, \theta^2-8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)+\left(8.98755\times 10^{16}\, r^2\, \delta^2- 1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\, z^2\, \theta^2+v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^2-12.\, r^2 \left(-8.98755\times 10^{16}+ v^2\right) \delta^2 \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2-1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2-1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)\Big)^3+ \Big(108.\, r^2 \left(-8.98755\times 10^{16}+v^2\right) \delta^2\, \text{Cos}[\beta]^2 \left(-8.98755\times 10^{16}\, r^2\, \delta^2+1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-1.\, v^2\, z^2\, \theta^2- 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2+ 36.\, r\, \delta\, \text{Cos}[\beta] \left(8.98755\times 10^{16}\, z\, \theta-1.\, v^2\, z\, \theta- 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta]+1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \left(-8.98755\times 10^{16}\, r^2\, \delta^2+1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-1.\, v^2\, z^2\, \theta^2- 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)$$

$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Bigg)^{1/3}\Bigg)+$$

$$\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}0.264567\Bigg(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+\sqrt{\Bigg(-4.\left(12.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+\right.\right.$$

$$
\begin{aligned}
&1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&8.98755 \times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) + \\
&\big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^2 - 12.\, r^2\, \left(-8.98755 \times 10^{16} + v^2\right)\, \delta^2 \\
&\big(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755 \times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755 \times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)\big)^3 + \\
&\big(108.\, r^2\, \left(-8.98755 \times 10^{16} + v^2\right)\, \delta^2\, \mathrm{Cos}[\beta]^2\, \big(-8.98755 \times 10^{16} \\
&r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&8.98755 \times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big)^2 + \\
&36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755 \times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \\
&8.98755 \times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big) \\
&\big(-8.98755 \times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2 - 1. \\
&v^2\, z^2\, \theta^2 - 8.98755 \times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) \\
&\big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) + \\
&2.\, \big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \\
&\mathrm{Cos}[\beta] - 8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^3 - \\
&108.\, r^2\, \delta^2\, \big(8.98755 \times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755 \times 10^{16} \\
&r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)^2\, \big(-8.98755 \times 10^{16}\, r^2\, \delta^2 \\
&\mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - \\
&1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - \\
&1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + 72.\, r^2\, \left(-8.98755 \times 10^{16} + v^2\right)\, \delta^2 \\
&\big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) \\
&\big(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755 \times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755 \times \\
&10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)^2\big)\big)^{1/3}\Bigg) - 0.5
\end{aligned}
$$

$$
\sqrt{\left(\frac{2.\, \left(8.98755 \times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755 \times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\right)^2}{r^2\, \left(-8.98755 \times 10^{16} + v^2\right)^2} - \frac{1}{r^2\, \left(-8.98755 \times 10^{16} + v^2\right)}\right.}
$$

$$
\begin{aligned}
&1.33333\, \big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - \\
&8.98755 \times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 +
\end{aligned}
$$

$$
\begin{aligned}
&3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - \\
&4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big) - \\
&\Big(0.419974\,\Big(12.\, r\, \delta\, \text{Cos}[\beta]\,\Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - \\
&\quad 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\\
&\quad \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - \\
&\quad 1.\, v^2\, z^2\, \Theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\Big) + \\
&\quad \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + \\
&\quad 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - \\
&\quad 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^2 - \\
&\quad 12.\, r^2\,\Big(-8.98755\times 10^{16} + v^2\Big)\,\delta^2\,\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&\quad r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\Big)\Big)\Big/ \\
&\Big(r^2\,\Big(-8.98755\times 10^{16} + 1.\, v^2\Big)\,\Big(108.\, r^2\,\Big(-8.98755\times 10^{16} + v^2\Big)\,\delta^2\,\text{Cos}[\beta]^2 \\
&\quad \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - \\
&\quad 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\Big)^2 + 36.\, \\
&\quad r\, \delta\, \text{Cos}[\beta]\,\Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times 10^{16}\, \\
&\quad r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\\
&\quad \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - \\
&\quad 1.\, v^2\, z^2\, \Theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\Big)\\
&\quad \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + \\
&\quad v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - \\
&\quad 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big) + 2.\, \\
&\quad \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + \\
&\quad v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - \\
&\quad 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^3 - 108.\, r^2\, \\
&\quad \delta^2\,\Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + \\
&\quad 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)^2\,\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&\quad r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\Big) + 72.\, r^2\, \\
&\quad \Big(-8.98755\times 10^{16} + v^2\Big)\,\delta^2\,\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - \\
&\quad 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - \\
&\quad 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)\\
&\quad \Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\Big) + \\
&\quad \sqrt{\Big(-4.\,\Big(12.\, r\, \delta\, \text{Cos}[\beta]\,\Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times 10^{16}\, \\
&\qquad r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\,\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + \\
&\qquad 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - \\
&\qquad 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\Big) +
\end{aligned}
$$

$$\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^2-12.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\Big)\Big)^3+\Big(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\Big)^2+36.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\Big)\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+2.\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\Big)+72.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big)-\frac{1}{r^2\,\left(-8.98755\times10^{16}+v^2\right)}0.264567\,\Big(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\Big)^2+36.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\Big)\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-$$

$$
\begin{aligned}
&8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)+\\
&2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-\\
&108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+\\
&\quad 1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)^2\,\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&72.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\quad 4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&\sqrt{\Big(-4.\,\big(12.\,r\,\delta\,\text{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\qquad r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)\,\big(-8.98755\times10^{16}\,r^2\,\delta^2+\\
&\qquad 1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\\
&\quad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad 4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)^3+\\
&\quad\big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\text{Cos}[\beta]^2\,\big(-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+\\
&\qquad 36.\,r\,\delta\,\text{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\\
&\qquad\quad 8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)\\
&\qquad\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\\
&\qquad\quad v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\\
&\qquad\quad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)+\\
&\qquad 2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\\
&\qquad\quad\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-\\
&\qquad 108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\qquad\quad r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)^2\,\big(-8.98755\times10^{16}\,r^2\,\delta^2\\
&\qquad\quad\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-\\
&\qquad\quad 1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-
\end{aligned}
$$

$$1.\ v^2\ z^3\ \Theta^3\ \text{Sin}[\beta]^2\Big) + 72.\ r^2\ \left(-8.98755\times 10^{16} + v^2\right)\ \delta^2$$
$$\Big(8.98755\times 10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times 10^{16}\ z^2\ \Theta^2 +$$
$$v^2\ z^2\ \Theta^2 + 3.59502\times 10^{17}\ r\ z\ \delta\ \Theta\ \text{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \Theta\ \text{Cos}[\beta] -$$
$$8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\Big)$$
$$\Big(-8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2 +$$
$$8.98755\times 10^{16}\ z^2\ \Theta^2\ \text{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \Theta^2\ \text{Cos}[\beta]^2 +$$
$$8.98755\times 10^{16}\ z^3\ \Theta^3\ \text{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \Theta^3\ \text{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3} -$$

$$\Bigg(0.25\ \Bigg(-\Bigg(\Big(8.\ \Big(8.98755\times 10^{16}\ z\ \Theta - 1.\ v^2\ z\ \Theta - 8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta] +$$
$$1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\Big)^3\Big) \Big/ \Big(r^3\ \left(-8.98755\times 10^{16} + v^2\right)^3\Big)\Big) +$$
$$\frac{1}{r^2\ \left(-8.98755\times 10^{16} + v^2\right)}\ 16.\ \delta\ \text{Cos}[\beta]\ \Big(-8.98755\times 10^{16}\ r^2\ \delta^2 +$$
$$1.\ r^2\ v^2\ \delta^2 + 8.98755\times 10^{16}\ z^2\ \Theta^2 - 1.\ v^2\ z^2\ \Theta^2 -$$
$$8.98755\times 10^{16}\ r\ z\ \delta\ \Theta\ \text{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \Theta\ \text{Cos}[\beta]\Big) +$$
$$\Big(8.\ \Big(8.98755\times 10^{16}\ z\ \Theta - 1.\ v^2\ z\ \Theta - 8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta] +$$
$$1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\Big)\ \Big(8.98755\times 10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 -$$
$$8.98755\times 10^{16}\ z^2\ \Theta^2 + v^2\ z^2\ \Theta^2 + 3.59502\times 10^{17}\ r\ z\ \delta\ \Theta\ \text{Cos}[\beta] -$$
$$4.\ r\ v^2\ z\ \delta\ \Theta\ \text{Cos}[\beta] - 8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 +$$
$$r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\Big)\Big) \Big/ \Big(r^3\ \left(-8.98755\times 10^{16} + v^2\right)^2\Big)\Bigg)\Bigg) \Big/$$

$$\Bigg(\sqrt{\Bigg(\Big(1.\ \Big(8.98755\times 10^{16}\ z\ \Theta - 1.\ v^2\ z\ \Theta - 8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta] +$$
$$1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\Big)^2\Big) \Big/ \Big(r^2\ \left(-8.98755\times 10^{16} + v^2\right)^2\Big) -$$
$$\frac{1}{r^2\ \left(-8.98755\times 10^{16} + v^2\right)}\ 0.666667\ \Big(8.98755\times 10^{16}\ r^2\ \delta^2 -$$
$$1.\ r^2\ v^2\ \delta^2 - 8.98755\times 10^{16}\ z^2\ \Theta^2 + v^2\ z^2\ \Theta^2 +$$
$$3.59502\times 10^{17}\ r\ z\ \delta\ \Theta\ \text{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \Theta\ \text{Cos}[\beta] -$$
$$8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\Big) +$$
$$\Big(0.419974\ \Big(12.\ r\ \delta\ \text{Cos}[\beta]\ \Big(8.98755\times 10^{16}\ z\ \Theta - 1.\ v^2\ z\ \Theta -$$
$$8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times 10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times 10^{16}\ z^2\ \Theta^2 -$$
$$1.\ v^2\ z^2\ \Theta^2 - 8.98755\times 10^{16}\ r\ z\ \delta\ \Theta\ \text{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \Theta\ \text{Cos}[\beta]\Big) +$$
$$\Big(8.98755\times 10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times 10^{16}\ z^2\ \Theta^2 +$$
$$v^2\ z^2\ \Theta^2 + 3.59502\times 10^{17}\ r\ z\ \delta\ \Theta\ \text{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \Theta\ \text{Cos}[\beta] -$$
$$8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\Big)^2 -$$
$$12.\ r^2\ \left(-8.98755\times 10^{16} + v^2\right)\ \delta^2\ \Big(-8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 +$$
$$r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\ z^2\ \Theta^2\ \text{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \Theta^2$$
$$\text{Cos}[\beta]^2 + 8.98755\times 10^{16}\ z^3\ \Theta^3\ \text{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \Theta^3\ \text{Sin}[\beta]^2\Big)\Big)\Big) \Big/$$
$$\Big(r^2\ \left(-8.98755\times 10^{16} + 1.\ v^2\right)\ \Big(108.\ r^2\ \left(-8.98755\times 10^{16} + v^2\right)\ \delta^2$$
$$\text{Cos}[\beta]^2\ \Big(-8.98755\times 10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times 10^{16}\ z^2\ \Theta^2 -$$

$$
\begin{aligned}
&1.\, v^2\, z^2\, \theta^2 - 8.98755 \times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + \\
&1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\Big)^2 + 36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \Big(8.98755 \times 10^{16}\, z\, \theta - \\
&1.\, v^2\, z\, \theta - 8.98755 \times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big) \\
&\Big(-8.98755 \times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2 - \\
&1.\, v^2\, z^2\, \theta^2 - 8.98755 \times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\Big) \\
&\Big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) + \\
&2.\, \Big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big)^3 - \\
&108.\, r^2\, \delta^2\, \Big(8.98755 \times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755 \times 10^{16}\, r\, \delta \\
&\mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big)^2\, \Big(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - \\
&1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - \\
&1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\Big) + 72.\, r^2\, \Big(-8.98755 \times 10^{16} + v^2\Big)\, \delta^2 \\
&\Big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) \\
&\Big(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755 \times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755 \times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\Big) + \sqrt{\Big(-4.} \\
&\Big(12.\, r\, \delta\, \mathrm{Cos}[\beta]\, \Big(8.98755 \times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755 \times 10^{16} \\
&r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big)\, \Big(-8.98755 \times 10^{16}\, r^2 \\
&\delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&8.98755 \times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\Big) + \\
&\Big(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16} \\
&z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big)^2 - 12.\, r^2\, \Big(-8.98755 \times 10^{16} + v^2\Big)\, \delta^2 \\
&\Big(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755 \times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755 \times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\Big)\Big)^3 + \\
&\Big(108.\, r^2\, \Big(-8.98755 \times 10^{16} + v^2\Big)\, \delta^2\, \mathrm{Cos}[\beta]^2 \\
&\Big(-8.98755 \times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \theta^2 - \\
&1.\, v^2\, z^2\, \theta^2 - 8.98755 \times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z \\
&\delta\, \theta\, \mathrm{Cos}[\beta]\Big)^2 + 36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \Big(8.98755 \times 10^{16}\, z\, \theta - \\
&1.\, v^2\, z\, \theta - 8.98755 \times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r \\
&v^2\, \delta\, \mathrm{Cos}[\beta]\Big)\, \Big(-8.98755 \times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + \\
&8.98755 \times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755 \times 10^{16} \\
&r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\Big)\, \Big(8.98755 \times 10^{16} \\
&r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 +
\end{aligned}
$$

$$3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+2.\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+72.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big)+$$

$$\frac{1}{r^2\,\left(-8.98755\times10^{16}+v^2\right)}\,0.264567\,\Big(108.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)^2+36.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+2.\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+72.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+$$
$$\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)+\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^2-12.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)\Big)^3+\Big(108.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\text{Cos}[\beta]^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)^2+36.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+2.\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+72.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big)\Big)\Big)\Big\},$$

$$\Big\{\alpha\to-\frac{0.5\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)}{r\,\Big(-8.98755\times10^{16}+v^2\Big)}-$$

$$0.5$$

$$\sqrt{\left(\frac{1.\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2}{r^2\left(-8.98755\times10^{16}+v^2\right)^2}-\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}\right.}$$

$$0.666667\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+\left(0.419974\left(12.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)+\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\right)\right)\Big/\left(r^2\left(-8.98755\times10^{16}+1.\,v^2\right)\left(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)^2+36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-\right.$$

$$
\begin{aligned}
&1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - \\
&1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + 72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right) \\
&\delta^2\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) \\
&\big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + \\
&\sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \mathrm{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\right. \right. \\
&\qquad \left. r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\right)\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + \\
&\qquad 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&\qquad 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) + \\
&\quad \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&\qquad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\qquad 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2 \\
&\quad \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \right. \\
&\qquad 8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad \left. 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\right)\Big)^3 + \\
&\Big(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \mathrm{Cos}[\beta]^2\, \left(-8.98755\times 10^{16}\right. \\
&\qquad \left. r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \right. \\
&\qquad \left. 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\right)^2 + \\
&\quad 36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \right. \\
&\qquad \left. 8.98755\times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\right)\, \\
&\qquad \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\right. \\
&\qquad \left. z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\right)\, \\
&\qquad \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&\qquad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\qquad 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) + \\
&\quad 2.\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&\qquad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\\
&\qquad\quad \beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^3 - \\
&\quad 108.\, r^2\, \delta^2\, \big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times \\
&\qquad 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)^2 \\
&\qquad \big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad 8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + \\
&\quad 72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - \\
&\qquad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&\qquad 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\qquad 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) \\
&\qquad \big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 +
\end{aligned}
$$

$$8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3}\Big)+$$

$$\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}0.264567\Big(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+$$

$$36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+$$

$$2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-$$

$$108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+$$

$$72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+$$

$$\sqrt{\Big(-4.\Big(12.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\Big)^3+\Big(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$

$$
\begin{aligned}
&8.98755\times10^{16}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta]\Big)^2 + \\
&36.\, r\, \delta\, \mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - \\
&\quad 8.98755\times10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big) \\
&\quad \Big(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \Theta^2 - 1. \\
&\qquad v^2\, z^2\, \Theta^2 - 8.98755\times10^{16}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta]\Big) \\
&\quad \Big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + \\
&\qquad v^2\, z^2\, \Theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&\qquad 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) + \\
&2.\,\Big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + \\
&\qquad v^2\, z^2\, \Theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta \\
&\qquad\quad \mathrm{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big)^3 - \\
&108.\, r^2\, \delta^2\,\Big(8.98755\times10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times \\
&\qquad 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big)^2 \\
&\quad \Big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad 8.98755\times10^{16}\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad 8.98755\times10^{16}\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2\Big) + \\
&72.\, r^2\,\Big(-8.98755\times10^{16} + v^2\Big)\,\delta^2\,\Big(8.98755\times10^{16}\, r^2\, \delta^2 - \\
&\qquad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + \\
&\qquad 3.59502\times10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&\qquad 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) \\
&\quad \Big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad 8.98755\times10^{16}\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times \\
&\qquad\quad 10^{16}\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Bigg) + 0.5
\end{aligned}
$$

$$
\sqrt{\left(\frac{2.\,\Big(8.98755\times10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big)^2}{r^2\,\Big(-8.98755\times10^{16} + v^2\Big)^2} - \frac{1}{r^2\,\Big(-8.98755\times10^{16} + v^2\Big)}\right.}
$$

$$
\begin{aligned}
&1.33333 \\
&\quad \Big(8.98755\times10^{16}\, r^2\, \delta^2 - \\
&\qquad 1.\, r^2\, v^2\, \delta^2 - \\
&\qquad 8.98755\times10^{16}\, z^2\, \Theta^2 + \\
&\qquad v^2\, z^2\, \Theta^2 + \\
&\qquad 3.59502\times10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&\qquad 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&\qquad 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\qquad r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) - \\
&\Big(0.419974\,\Big(12.\, r\, \delta\, \mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - \\
&\qquad\quad 8.98755\times10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big) \\
&\qquad \Big(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \Theta^2 - \\
&\qquad\quad 1.\, v^2\, z^2\, \Theta^2 - 8.98755\times10^{16}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta]\Big) + \\
&\qquad \Big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 +
\end{aligned}
$$

$$
\begin{aligned}
&3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^2 - \\
&12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - \\
&1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - \\
&1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big)\Big)\Big/ \\
&\Big(r^2\, \left(-8.98755\times 10^{16} + 1.\, v^2\right)\, \Big(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \text{Cos}[\beta]^2 \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\Big)^2 + 36. \\
&r\, \delta\, \text{Cos}[\beta]\, \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16} \\
&r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big) \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - \\
&1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\Big) \\
&\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big) + 2. \\
&\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^3 - 108.\, r^2 \\
&\delta^2\, \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + \\
&1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)^2\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - \\
&1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - \\
&1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big) + 72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right) \\
&\delta^2\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big) \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big) + \\
&\sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \text{Cos}[\beta]\, \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16} \\
&r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + \\
&1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\Big) + \\
&\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2 \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big)\Big)^3 +
\end{aligned}
$$

$$\Big(108.\, r^2 \left(-8.98755\times 10^{16}+v^2\right)\delta^2 \cos[\beta]^2 \left(-8.98755\times 10^{16} r^2\delta^2+1.\, r^2 v^2\delta^2+8.98755\times 10^{16} z^2\theta^2-1.\, v^2 z^2\theta^2-8.98755\times 10^{16} r z\delta\theta\cos[\beta]+1.\, r v^2 z\delta\theta\cos[\beta]\right)^2+36.\, r\delta\cos[\beta]\left(8.98755\times 10^{16} z\theta-1.\, v^2 z\theta-8.98755\times 10^{16} r\delta\cos[\beta]+1.\, r v^2\delta\cos[\beta]\right)\left(-8.98755\times 10^{16} r^2\delta^2+1.\, r^2 v^2\delta^2+8.98755\times 10^{16} z^2\theta^2-1.\, v^2 z^2\theta^2-8.98755\times 10^{16} r z\delta\theta\cos[\beta]+1.\, r v^2 z\delta\theta\cos[\beta]\right)\left(8.98755\times 10^{16} r^2\delta^2-1.\, r^2 v^2\delta^2-8.98755\times 10^{16} z^2\theta^2+v^2 z^2\theta^2+3.59502\times 10^{17} r z\delta\theta\cos[\beta]-4.\, r v^2 z\delta\theta\cos[\beta]-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2\right)+2.\left(8.98755\times 10^{16} r^2\delta^2-1.\, r^2 v^2\delta^2-8.98755\times 10^{16} z^2\theta^2+v^2 z^2\theta^2+3.59502\times 10^{17} r z\delta\theta\cos[\beta]-4.\, r v^2 z\delta\theta\cos[\beta]-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2\right)^3-108.\, r^2\delta^2\left(8.98755\times 10^{16} z\theta-1.\, v^2 z\theta-8.98755\times 10^{16} r\delta\cos[\beta]+1.\, r v^2\delta\cos[\beta]\right)^2\left(-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2+8.98755\times 10^{16} z^2\theta^2\cos[\beta]^2-1.\, v^2 z^2\theta^2\cos[\beta]^2+8.98755\times 10^{16} z^3\theta^3\sin[\beta]^2-1.\, v^2 z^3\theta^3\sin[\beta]^2\right)+72.\, r^2\left(-8.98755\times 10^{16}+v^2\right)\delta^2\left(8.98755\times 10^{16} r^2\delta^2-1.\, r^2 v^2\delta^2-8.98755\times 10^{16} z^2\theta^2+v^2 z^2\theta^2+3.59502\times 10^{17} r z\delta\theta\cos[\beta]-4.\, r v^2 z\delta\theta\cos[\beta]-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2\right)\left(-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2+8.98755\times 10^{16} z^2\theta^2\cos[\beta]^2-1.\, v^2 z^2\theta^2\cos[\beta]^2+8.98755\times 10^{16} z^3\theta^3\sin[\beta]^2-1.\, v^2 z^3\theta^3\sin[\beta]^2\right)^2\Big)^{1/3}\Big)-$$

$$\frac{1}{r^2\left(-8.98755\times 10^{16}+v^2\right)}0.264567\Big(108.\, r^2\left(-8.98755\times 10^{16}+v^2\right)\delta^2\cos[\beta]^2\left(-8.98755\times 10^{16} r^2\delta^2+1.\, r^2 v^2\delta^2+8.98755\times 10^{16} z^2\theta^2-1.\, v^2 z^2\theta^2-8.98755\times 10^{16} r z\delta\theta\cos[\beta]+1.\, r v^2 z\delta\theta\cos[\beta]\right)^2+36.\, r\delta\cos[\beta]\left(8.98755\times 10^{16} z\theta-1.\, v^2 z\theta-8.98755\times 10^{16} r\delta\cos[\beta]+1.\, r v^2\delta\cos[\beta]\right)\left(-8.98755\times 10^{16} r^2\delta^2+1.\, r^2 v^2\delta^2+8.98755\times 10^{16} z^2\theta^2-1.\, v^2 z^2\theta^2-8.98755\times 10^{16} r z\delta\theta\cos[\beta]+1.\, r v^2 z\delta\theta\cos[\beta]\right)\left(8.98755\times 10^{16} r^2\delta^2-1.\, r^2 v^2\delta^2-8.98755\times 10^{16} z^2\theta^2+v^2 z^2\theta^2+3.59502\times 10^{17} r z\delta\theta\cos[\beta]-4.\, r v^2 z\delta\theta\cos[\beta]-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2\right)+2.\left(8.98755\times 10^{16} r^2\delta^2-1.\, r^2 v^2\delta^2-8.98755\times 10^{16} z^2\theta^2+v^2 z^2\theta^2+3.59502\times 10^{17} r z\delta\theta\cos[\beta]-4.\, r v^2 z\delta\theta\cos[\beta]-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2\right)^3-108.\, r^2\delta^2\left(8.98755\times 10^{16} z\theta-1.\, v^2 z\theta-8.98755\times 10^{16} r\delta\cos[\beta]+1.\, r v^2\delta\cos[\beta]\right)^2\left(-8.98755\times 10^{16} r^2\delta^2\cos[\beta]^2+r^2 v^2\delta^2\cos[\beta]^2+\right.$$

$$
\begin{aligned}
&8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&72.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)\\
&\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&\sqrt{\Big(-4.\,\big(12.\,r\,\delta\,\text{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\qquad r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)\,\big(-8.98755\times10^{16}\,r^2\,\delta^2+\\
&\qquad 1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\\
&\quad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad 4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^3+\\
&\quad\Big(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\text{Cos}[\beta]^2\,\big(-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+\\
&\qquad 36.\,r\,\delta\,\text{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\\
&\qquad\quad 8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)\\
&\qquad\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\\
&\qquad\quad v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\\
&\qquad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)+\\
&\qquad 2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\\
&\qquad\quad \text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-\\
&\qquad 108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times\\
&\qquad\quad 10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)^2\\
&\qquad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\qquad\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&\qquad 72.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\qquad\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\qquad\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)
\end{aligned}
$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)\Big)^{1/3}-$$

$$\left(0.25\left(-\left(\left(8.\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^3\right)\Big/\left(r^3\left(-8.98755\times10^{16}+v^2\right)^3\right)\right)+\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}16.\,\delta\,\text{Cos}[\beta]\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(8.\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\Big)\Big/\left(r^3\left(-8.98755\times10^{16}+v^2\right)^2\right)\Big)\Big)\Big/$$

$$\left(\sqrt{\left(\left(1.\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\right)\Big/\left(r^2\left(-8.98755\times10^{16}+v^2\right)^2\right)-\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}0.666667\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+\left(0.419974\left(12.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\Big)\Big)\Big/\left(r^2\left(-8.98755\times10^{16}+1.\,v^2\right)\left(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\right)$$

$$\left(-8.98755\times 10^{16}\, r^2\, \delta^2+1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-\right.$$
$$\left.1.\, v^2\, z^2\, \theta^2-8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)$$
$$\left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\, z^2\, \theta^2+\right.$$
$$v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-$$
$$\left.8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)+$$
$$2.\left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\, z^2\, \theta^2+\right.$$
$$v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-$$
$$\left.8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^3-$$
$$108.\, r^2\, \delta^2\left(8.98755\times 10^{16}\, z\, \theta-1.\, v^2\, z\, \theta-8.98755\times 10^{16}\, r\, \delta\right.$$
$$\left.\text{Cos}[\beta]+1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)^2\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+\right.$$
$$r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2-$$
$$1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2-$$
$$\left.1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)+72.\, r^2\left(-8.98755\times 10^{16}+v^2\right)\delta^2$$
$$\left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\, z^2\, \theta^2+\right.$$
$$v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-$$
$$\left.8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)$$
$$\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2+\right.$$
$$8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2-1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2+$$
$$\left.8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2-1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)+\sqrt{\left(-4.\right.}$$
$$\left(12.\, r\, \delta\, \text{Cos}[\beta]\left(8.98755\times 10^{16}\, z\, \theta-1.\, v^2\, z\, \theta-8.98755\times 10^{16}\right.\right.$$
$$\left.r\, \delta\, \text{Cos}[\beta]+1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)\left(-8.98755\times 10^{16}\, r^2\right.$$
$$\delta^2+1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-1.\, v^2\, z^2\, \theta^2-$$
$$\left.8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)+$$
$$\left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\right.$$
$$z^2\, \theta^2+v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-$$
$$4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+$$
$$\left.r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^2-12.\, r^2\left(-8.98755\times 10^{16}+v^2\right)\delta^2$$
$$\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2+\right.$$
$$8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2-1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2+$$
$$\left.\left.8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2-1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)\right)^3+$$
$$\left(108.\, r^2\left(-8.98755\times 10^{16}+v^2\right)\delta^2\, \text{Cos}[\beta]^2\right.$$
$$\left(-8.98755\times 10^{16}\, r^2\, \delta^2+1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-\right.$$
$$1.\, v^2\, z^2\, \theta^2-8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+$$
$$\left.1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2+36.\, r\, \delta\, \text{Cos}[\beta]$$
$$\left(8.98755\times 10^{16}\, z\, \theta-1.\, v^2\, z\, \theta-8.98755\times 10^{16}\, r\right.$$
$$\left.\delta\, \text{Cos}[\beta]+1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)\left(-8.98755\times 10^{16}\, r^2\, \delta^2+\right.$$
$$1.\, r^2\, v^2\, \delta^2+8.98755\times 10^{16}\, z^2\, \theta^2-1.\, v^2\, z^2\, \theta^2-$$
$$\left.8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]+1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)$$
$$\left(8.98755\times 10^{16}\, r^2\, \delta^2-1.\, r^2\, v^2\, \delta^2-8.98755\times 10^{16}\right.$$
$$z^2\, \theta^2+v^2\, z^2\, \theta^2+3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta]-$$
$$4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2+$$
$$\left.r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)+2.\left(8.98755\times 10^{16}\, r^2\, \delta^2-\right.$$

$$
\begin{aligned}
&1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + \\
&3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big)^3 - \\
&108.\, r^2\, \delta^2\, \Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - \\
&8.98755\times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big)^2 \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2\Big) + \\
&72.\, r^2\, \Big(-8.98755\times 10^{16} + v^2\Big)\, \delta^2\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - \\
&1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502\times \\
&10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 8.98755\times \\
&10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big)\, \Big(-8.98755\times \\
&10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times \\
&10^{16}\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times \\
&10^{16}\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big) + \\
&\frac{1}{r^2\, \Big(-8.98755\times 10^{16} + v^2\Big)}\, 0.264567\, \Big(108.\, r^2\, \Big(-8.98755\times 10^{16} + v^2\Big) \\
&\delta^2\, \mathrm{Cos}[\beta]^2\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16} \\
&z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] + \\
&1.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta]\Big)^2 + 36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \Big(8.98755\times 10^{16}\, z\, \Theta - \\
&1.\, v^2\, z\, \Theta - 8.98755\times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big) \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - \\
&1.\, v^2\, z^2\, \Theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta]\Big) \\
&\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + \\
&v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) + \\
&2.\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + \\
&v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big)^3 - \\
&108.\, r^2\, \delta^2\, \Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times 10^{16} \\
&r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\Big)^2 \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2\Big) + \\
&72.\, r^2\, \Big(-8.98755\times 10^{16} + v^2\Big)\, \delta^2\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - \\
&1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + \\
&3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \mathrm{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \mathrm{Sin}[\beta]^2\Big) + \\
&\sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \mathrm{Cos}[\beta]\, \Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times
\end{aligned}
$$

$$10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\Big) + \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\Big)\Big)^3 + \Big(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \text{Cos}[\beta]^2\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\Big)^2 + 36.\, r\, \delta\, \text{Cos}[\beta]\, \Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\Big)\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big) + 2.\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^3 - 108.\, r^2\, \delta^2\, \Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)^2\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\Big) + 72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big)\Big)\Big)\Big\},$$

$$\Big\{\alpha \to -\frac{0.5\, \Big(8.98755\times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)}{r\, \left(-8.98755\times 10^{16} + v^2\right)} +$$

$$0.5$$

$$\sqrt{\left(\frac{1.\ \left(8.98755\times 10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta]+1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\right)^2}{r^2\ \left(-8.98755\times 10^{16}+v^2\right)^2}-\frac{1}{r^2\ \left(-8.98755\times 10^{16}+v^2\right)}\right.}$$

$$0.666667\ \left(8.98755\times 10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times 10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+3.59502\times 10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]-8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\right)+$$

$$\left(0.419974\ \left(12.\ r\ \delta\ \text{Cos}[\beta]\ \left(8.98755\times 10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta]+1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\right)\left(-8.98755\times 10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times 10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-8.98755\times 10^{16}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]\right)+\left(8.98755\times 10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times 10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+3.59502\times 10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]-8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\right)^2-12.\ r^2\ \left(-8.98755\times 10^{16}+v^2\right)\ \delta^2\ \left(-8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2+8.98755\times 10^{16}\ z^2\ \theta^2\ \text{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \text{Cos}[\beta]^2+8.98755\times 10^{16}\ z^3\ \theta^3\ \text{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \text{Sin}[\beta]^2\right)\right)\Big/$$

$$\left(r^2\ \left(-8.98755\times 10^{16}+1.\ v^2\right)\ \left(108.\ r^2\ \left(-8.98755\times 10^{16}+v^2\right)\ \delta^2\ \text{Cos}[\beta]^2\left(-8.98755\times 10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times 10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-8.98755\times 10^{16}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]\right)^2+36.\ r\ \delta\ \text{Cos}[\beta]\ \left(8.98755\times 10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta]+1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\right)\left(-8.98755\times 10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times 10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-8.98755\times 10^{16}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]\right)\left(8.98755\times 10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times 10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+3.59502\times 10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]-8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\right)+2.\left(8.98755\times 10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times 10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+3.59502\times 10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]-8.98755\times 10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2\right)^3-108.\ r^2\ \delta^2\ \left(8.98755\times 10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times 10^{16}\ r\ \delta\ \text{Cos}[\beta]+1.\ r\ v^2\ \delta\ \text{Cos}[\beta]\right)^2$$

$$\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right) + 72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)$$

$$\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right) +$$

$$\sqrt{\left(-4.\, \left(12.\, r\, \delta\, \text{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right) + \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)\right)^3 + \left(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \text{Cos}[\beta]^2\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2 + 36.\, r\, \delta\, \text{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) + 2.\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^3 - 108.\, r^2\, \delta^2\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)^2\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right) + 72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] -$$

$$
\begin{aligned}
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)\\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big) +\\
&\frac{1}{r^2\left(-8.98755\times 10^{16} + v^2\right)}\, 0.264567\, \Big(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\\
&\text{Cos}[\beta]^2\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 -\right.\\
&\left.1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2 +\\
&36.\, r\, \delta\, \text{Cos}[\beta]\, \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\\
&r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 -\\
&1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] +\\
&1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\Big)\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 -\\
&1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 +\\
&3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] -\\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big) +\\
&2.\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 +\\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] -\\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^3 -\\
&108.\, r^2\, \delta^2\, \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\\
&r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)^2\\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big) +\\
&72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \Big(8.98755\times 10^{16}\, r^2\, \delta^2 -\\
&1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 +\\
&3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] -\\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)\\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big) +\\
&\sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \text{Cos}[\beta]\, \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\\
&r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\Big)\, \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 +\\
&1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 -\\
&8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\Big) +\\
&\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 +\\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] -\\
&4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 +\\
&r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\Big)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 +\\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\Big)^3 +
\end{aligned}
$$

$$\left(108.\, r^2 \left(-8.98755\times 10^{16}+v^2\right) \delta^2 \cos[\beta]^2 \left(-8.98755\times 10^{16} r^2 \delta^2+1.\, r^2 v^2 \delta^2+8.98755\times 10^{16} z^2 \theta^2-1.\, v^2 z^2 \theta^2-8.98755\times 10^{16} r z \delta \theta \cos[\beta]+1.\, r v^2 z \delta \theta \cos[\beta]\right)^2+36.\, r \delta \cos[\beta] \left(8.98755\times 10^{16} z \theta-1.\, v^2 z \theta-8.98755\times 10^{16} r \delta \cos[\beta]+1.\, r v^2 \delta \cos[\beta]\right) \left(-8.98755\times 10^{16} r^2 \delta^2+1.\, r^2 v^2 \delta^2+8.98755\times 10^{16} z^2 \theta^2-1.\, v^2 z^2 \theta^2-8.98755\times 10^{16} r z \delta \theta \cos[\beta]+1.\, r v^2 z \delta \theta \cos[\beta]\right) \left(8.98755\times 10^{16} r^2 \delta^2-1.\, r^2 v^2 \delta^2-8.98755\times 10^{16} z^2 \theta^2+v^2 z^2 \theta^2+3.59502\times 10^{17} r z \delta \theta \cos[\beta]-4.\, r v^2 z \delta \theta \cos[\beta]-8.98755\times 10^{16} r^2 \delta^2 \cos[\beta]^2+r^2 v^2 \delta^2 \cos[\beta]^2\right)+2.\left(8.98755\times 10^{16} r^2 \delta^2-1.\, r^2 v^2 \delta^2-8.98755\times 10^{16} z^2 \theta^2+v^2 z^2 \theta^2+3.59502\times 10^{17} r z \delta \theta \cos[\beta]-4.\, r v^2 z \delta \theta \cos[\beta]-8.98755\times 10^{16} r^2 \delta^2 \cos[\beta]^2+r^2 v^2 \delta^2 \cos[\beta]^2\right)^3-108.\, r^2 \delta^2 \left(8.98755\times 10^{16} z \theta-1.\, v^2 z \theta-8.98755\times 10^{16} r \delta \cos[\beta]+1.\, r v^2 \delta \cos[\beta]\right)^2 \left(-8.98755\times 10^{16} r^2 \delta^2 \cos[\beta]^2+r^2 v^2 \delta^2 \cos[\beta]^2+8.98755\times 10^{16} z^2 \theta^2 \cos[\beta]^2-1.\, v^2 z^2 \theta^2 \cos[\beta]^2+8.98755\times 10^{16} z^3 \theta^3 \sin[\beta]^2-1.\, v^2 z^3 \theta^3 \sin[\beta]^2\right)+72.\, r^2 \left(-8.98755\times 10^{16}+v^2\right) \delta^2 \left(8.98755\times 10^{16} r^2 \delta^2-1.\, r^2 v^2 \delta^2-8.98755\times 10^{16} z^2 \theta^2+v^2 z^2 \theta^2+3.59502\times 10^{17} r z \delta \theta \cos[\beta]-4.\, r v^2 z \delta \theta \cos[\beta]-8.98755\times 10^{16} r^2 \delta^2 \cos[\beta]^2+r^2 v^2 \delta^2 \cos[\beta]^2\right) \left(-8.98755\times 10^{16} r^2 \delta^2 \cos[\beta]^2+r^2 v^2 \delta^2 \cos[\beta]^2+8.98755\times 10^{16} z^2 \theta^2 \cos[\beta]^2-1.\, v^2 z^2 \theta^2 \cos[\beta]^2+8.98755\times 10^{16} z^3 \theta^3 \sin[\beta]^2-1.\, v^2 z^3 \theta^3 \sin[\beta]^2\right)^2\right)^{1/3}\right)-0.5$$

$$\sqrt{\left(\frac{2.\left(8.98755\times 10^{16} z \theta-1.\, v^2 z \theta-8.98755\times 10^{16} r \delta \cos[\beta]+1.\, r v^2 \delta \cos[\beta]\right)^2}{r^2\left(-8.98755\times 10^{16}+v^2\right)^2}-\frac{1}{r^2\left(-8.98755\times 10^{16}+v^2\right)}\right.}$$

$$1.33333 \left(8.98755\times 10^{16} r^2 \delta^2-1.\, r^2 v^2 \delta^2-8.98755\times 10^{16} z^2 \theta^2+v^2 z^2 \theta^2+3.59502\times 10^{17} r z \delta \theta \cos[\beta]-4.\, r v^2 z \delta \theta \cos[\beta]-8.98755\times 10^{16} r^2 \delta^2 \cos[\beta]^2+r^2 v^2 \delta^2 \cos[\beta]^2\right)-\left(0.419974\left(12.\, r \delta \cos[\beta] \left(8.98755\times 10^{16} z \theta-1.\, v^2 z \theta-8.98755\times 10^{16} r \delta \cos[\beta]+1.\, r v^2 \delta \cos[\beta]\right)\right.\right.$$

$$\Big(-8.98755\times 10^{16}\, r^2\,\delta^2+1.\, r^2\, v^2\,\delta^2+8.98755\times 10^{16}\, z^2\,\theta^2-1.\, v^2\, z^2\,\theta^2-8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]+1.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]\Big)+\Big(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^2-12.\, r^2\,\Big(-8.98755\times 10^{16}+v^2\Big)\,\delta^2\,\Big(-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\, v^2\, z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\, v^2\, z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)\Big)\Big/$$

$$\Big(r^2\,\Big(-8.98755\times 10^{16}+1.\, v^2\Big)\,\Big(108.\, r^2\,\Big(-8.98755\times 10^{16}+v^2\Big)\,\delta^2\,\text{Cos}[\beta]^2\Big(-8.98755\times 10^{16}\, r^2\,\delta^2+1.\, r^2\, v^2\,\delta^2+8.98755\times 10^{16}\, z^2\,\theta^2-1.\, v^2\, z^2\,\theta^2-8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]+1.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]\Big)^2+36.\, r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta-8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times 10^{16}\, r^2\,\delta^2+1.\, r^2\, v^2\,\delta^2+8.98755\times 10^{16}\, z^2\,\theta^2-1.\, v^2\, z^2\,\theta^2-8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]+1.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]\Big)\Big(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+2.\Big(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-108.\, r^2\,\delta^2\,\Big(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta-8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\Big)^2\Big(-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\, v^2\, z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\, v^2\, z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+72.\, r^2\,\Big(-8.98755\times 10^{16}+v^2\Big)\,\delta^2\,\Big(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\Big(-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\, v^2\, z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times 10^{16}\, z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\, v^2\, z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+\sqrt{\Big(-4.\,\Big(12.\, r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta-8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times 10^{16}\, r^2\,\delta^2+1.\, r^2\, v^2\,\delta^2+8.98755\times 10^{16}\, z^2\,\theta^2-1.\, v^2\, z^2\,\theta^2-8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]+1.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]\Big)+\Big(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+$$

$$
\begin{aligned}
&\left(r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2 \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \right. \\
&\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&\quad \left. 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)^3 + \\
&\left(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \text{Cos}[\beta]^2\, \left(-8.98755\times 10^{16}\right.\right. \\
&\quad r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&\quad \left.8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2 + \\
&36.\, r\, \delta\, \text{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \right. \\
&\quad \left.8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\right. \\
&\quad \left.z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right) \\
&\left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \right. \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&\quad \left.8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) + \\
&2.\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \right. \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\\
&\quad \left.\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^3 - \\
&108.\, r^2\, \delta^2\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times \right. \\
&\quad \left.10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)^2 \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \right. \\
&\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&\quad \left.8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right) + \\
&72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - \right. \\
&\quad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&\quad 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&\quad \left.8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \right. \\
&\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&\quad \left.\left.\left.8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)^2\right)^{1/3}\right) - \\
&\frac{1}{r^2\, \left(-8.98755\times 10^{16} + v^2\right)}\, 0.264567\, \left(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\right. \\
&\quad \text{Cos}[\beta]^2\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - \right. \\
&\quad \left.1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2 + \\
&36.\, r\, \delta\, \text{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\right. \\
&\quad \left.r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - \right. \\
&\quad 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + \\
&\quad 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - \right. \\
&\quad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&\quad 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&\quad \left.8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) +
\end{aligned}
$$

$$
\begin{aligned}
&2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+\right.\\
&\quad\left.v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-\right.\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-\\
&108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\right.\\
&\quad\left.r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\\
&\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\right.\\
&\quad8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+\\
&\quad\left.8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\right)+\\
&72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.\\
&\quad1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+\\
&\quad3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\\
&\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\right.\\
&\quad8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+\\
&\quad\left.8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\right)+\\
&\sqrt{\left(-4.\left(12.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\right.\right.\right.\\
&\quad\left.\left.r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+\right.\\
&\quad1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-\\
&\quad\left.8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)+\\
&\quad\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+\right.\\
&\quad v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-\\
&\quad4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\quad\left.r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\\
&\quad\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\right.\\
&\quad8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+\\
&\quad\left.\left.8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\right)\right)^3+\\
&\left(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\right.\right.\\
&\quad\left.r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-\right.\\
&\quad\left.8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)^2+\\
&\quad36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-\right.\\
&\quad\left.8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\\
&\quad\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\right.\\
&\quad\left.v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)\\
&\quad\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+\right.\\
&\quad v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+\\
&\quad2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+\right.\\
&\quad v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\\
&\quad\left.\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-\\
&\quad108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times\right.\\
&\quad\left.10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\\
&\quad\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\right.
\end{aligned}
$$

$$
\begin{aligned}
&8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.\\
&1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)\\
&\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\right.\\
&8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\left.\left.8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\right)\Big)^{1/3}+
\end{aligned}
$$

$$
\begin{aligned}
&\left(0.25\left(-\left(\left(8.\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+\right.\right.\right.\right.\\
&\left.\left.\left.\left.1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^3\right)\Big/\left(r^3\left(-8.98755\times10^{16}+v^2\right)^3\right)\right)+\\
&\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}16.\,\delta\,\text{Cos}[\beta]\left(-8.98755\times10^{16}\,r^2\,\delta^2+\right.\\
&1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\left.8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\\
&\left(8.\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+\right.\right.\\
&1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-\right.\\
&8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\left.\left.\left.r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\right)\Big/\left(r^3\left(-8.98755\times10^{16}+v^2\right)^2\right)\right)\Big/
\end{aligned}
$$

$$
\begin{aligned}
&\left(\sqrt{\left(\left(1.\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+\right.\right.\right.\right.\\
&\left.\left.\left.\left.1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\right)\Big/\left(r^2\left(-8.98755\times10^{16}+v^2\right)^2\right)-\right.\\
&\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}0.666667\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.\\
&1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\left.8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+\\
&\left(0.419974\left(12.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\right.\right.\right.\\
&\left.\left.\left.8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\right.\right.\\
&\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\right.\\
&\left.\left.1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\right.\\
&\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.\\
&v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\left.8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-\\
&12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+\right.\\
&r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\\
&\left.\left.\left.\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\right)\Big)\Big/
\end{aligned}
$$

$$\Big(r^2\,\left(-8.98755\times 10^{16}+1.\,v^2\right)\,\Big(108.\,r^2\,\left(-8.98755\times 10^{16}+v^2\right)\,\delta^2\,\mathrm{Cos}[\beta]^2\,\left(-8.98755\times 10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times 10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times 10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times 10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times 10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\left(-8.98755\times 10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times 10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times 10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)\left(8.98755\times 10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times 10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times 10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times 10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+2.\,\left(8.98755\times 10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times 10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times 10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times 10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3-108.\,r^2\,\delta^2\,\left(8.98755\times 10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times 10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2\left(-8.98755\times 10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times 10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times 10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+72.\,r^2\,\left(-8.98755\times 10^{16}+v^2\right)\,\delta^2\,\left(8.98755\times 10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times 10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times 10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times 10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)\left(-8.98755\times 10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times 10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times 10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times 10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times 10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\left(-8.98755\times 10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times 10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times 10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+\left(8.98755\times 10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times 10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times 10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times 10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2-12.\,r^2\,\left(-8.98755\times 10^{16}+v^2\right)\,\delta^2\,\left(-8.98755\times 10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times 10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times 10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\Big)^3+\Big(108.\,r^2\,\left(-8.98755\times 10^{16}+v^2\right)\,\delta^2\,\mathrm{Cos}[\beta]^2\,\left(-8.98755\times 10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times 10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times 10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times 10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times 10^{16}\,r$$

$$\delta \cos[\beta] + 1.\, r\, v^2\, \delta \cos[\beta]\big)\,\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta \cos[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta \cos[\beta]\Big)\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \cos[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \cos[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2\Big) + 2.\,\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \cos[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \cos[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2\Big)^3 - 108.\, r^2\, \delta^2\,\Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta \cos[\beta] + 1.\, r\, v^2\, \delta \cos[\beta]\Big)^2\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 \cos[\beta]^2 - 1.\, v^2\, z^2\, \theta^2 \cos[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3 \sin[\beta]^2 - 1.\, v^2\, z^3\, \theta^3 \sin[\beta]^2\Big) + 72.\, r^2\,\Big(-8.98755\times 10^{16} + v^2\Big)\,\delta^2\,\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \cos[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \cos[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2\Big)\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 \cos[\beta]^2 - 1.\, v^2\, z^2\, \theta^2 \cos[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3 \sin[\beta]^2 - 1.\, v^2\, z^3\, \theta^3 \sin[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{r^2\,\Big(-8.98755\times 10^{16} + v^2\Big)}\,0.264567\,\Big(108.\, r^2\,\Big(-8.98755\times 10^{16} + v^2\Big)\,\delta^2 \cos[\beta]^2\,\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta \cos[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta \cos[\beta]\Big)^2 + 36.\, r\, \delta \cos[\beta]\,\Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta \cos[\beta] + 1.\, r\, v^2\, \delta \cos[\beta]\Big)\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta \cos[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta \cos[\beta]\Big)\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \cos[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \cos[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2\Big) + 2.\,\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \cos[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \cos[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2\Big)^3 - 108.\, r^2\, \delta^2\,\Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta \cos[\beta] + 1.\, r\, v^2\, \delta \cos[\beta]\Big)^2\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 \cos[\beta]^2 + r^2\, v^2\, \delta^2 \cos[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 \cos[\beta]^2 - 1.\, v^2\, z^2\, \theta^2 \cos[\beta]^2 +$$

$$
\begin{aligned}
&8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+\\
&72.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+\\
&\sqrt{\Big(-4.\,\big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times\\
&\qquad 10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\,\big(-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+\\
&\qquad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\\
&\qquad z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\qquad 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2-12.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\delta^2\\
&\qquad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)^3+\\
&\quad\big(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\mathrm{Cos}[\beta]^2\\
&\qquad\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\\
&\qquad 1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\\
&\qquad\theta\,\mathrm{Cos}[\beta]\big)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\\
&\qquad v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\\
&\qquad\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\\
&\qquad z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+\\
&\qquad 1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\\
&\qquad\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\\
&\qquad\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\qquad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\qquad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\qquad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-\\
&\quad 108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\\
&\qquad 8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)^2\\
&\qquad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+72.\\
&\qquad r^2\,\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\\
&\qquad v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\\
&\qquad r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\,\big(-8.98755\times10^{16}
\end{aligned}
$$

$$r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2 + 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2 + 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2 - 1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)^2\Big)^{1/3}\Big)\Big)\Big)\Big\},$$

$$\Big\{\alpha \to -\frac{0.5\,\left(8.98755\times10^{16}\,z\,\theta - 1.\,v^2\,z\,\theta - 8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)}{r\,\left(-8.98755\times10^{16}+v^2\right)} +$$

$$0.5\,\sqrt{\left(\frac{1.\,\left(8.98755\times10^{16}\,z\,\theta - 1.\,v^2\,z\,\theta - 8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2}{r^2\,\left(-8.98755\times10^{16}+v^2\right)^2} - \frac{1}{r^2\,\left(-8.98755\times10^{16}+v^2\right)}\right.}$$

$$0.666667\,\Big(8.98755\times10^{16}\,r^2\,\delta^2 - 1.\,r^2\,v^2\,\delta^2 - 8.98755\times10^{16}\,z^2\,\theta^2 + v^2\,z^2\,\theta^2 + 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] - 4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta] - 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big) +$$

$$\Big(0.419974\,\Big(12.\,r\,\delta\,\text{Cos}[\beta]\,\left(8.98755\times10^{16}\,z\,\theta - 1.\,v^2\,z\,\theta - 8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2 + 1.\,r^2\,v^2\,\delta^2 + 8.98755\times10^{16}\,z^2\,\theta^2 - 1.\,v^2\,z^2\,\theta^2 - 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + 1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right) +$$

$$\left(8.98755\times10^{16}\,r^2\,\delta^2 - 1.\,r^2\,v^2\,\delta^2 - 8.98755\times10^{16}\,z^2\,\theta^2 + v^2\,z^2\,\theta^2 + 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] - 4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta] - 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2 -$$

$$12.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2 + 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2 + 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2 - 1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\Big)\Big)\Big/$$

$$\Big(r^2\,\left(-8.98755\times10^{16}+1.\,v^2\right)\,\Big(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\text{Cos}[\beta]^2\,\left(-8.98755\times10^{16}\,r^2\,\delta^2 + 1.\,r^2\,v^2\,\delta^2 + 8.98755\times10^{16}\,z^2\,\theta^2 - 1.\,v^2\,z^2\,\theta^2 - 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + 1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2 + 36.\,r\,\delta\,\text{Cos}[\beta]\,\left(8.98755\times10^{16}\,z\,\theta - 1.\,v^2\,z\,\theta - 8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2 + 1.\,r^2\,v^2\,\delta^2 + 8.98755\times10^{16}\,z^2\,\theta^2 - 1.\,v^2\,z^2\,\theta^2 - 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + 1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)$$

$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\right)+72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\right)+\sqrt{\left(-4.\left(12.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)+\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2\right)\right)^3+\left(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)^2+36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]\right)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-$$

$$
\begin{aligned}
&108.\, r^2\, \delta^2 \left(8.98755 \times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755 \times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)^2 \\
&\left(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\right) + \\
&72.\, r^2 \left(-8.98755 \times 10^{16} + v^2\right) \delta^2 \left(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) \\
&\left(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\right)^2\Big)^{1/3}\Big) + \\
&\frac{1}{r^2 \left(-8.98755 \times 10^{16} + v^2\right)} 0.264567 \Big(108.\, r^2 \left(-8.98755 \times 10^{16} + v^2\right) \delta^2 \\
&\text{Cos}[\beta]^2 \left(-8.98755 \times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - 8.98755 \times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\right)^2 + \\
&36.\, r\, \delta\, \text{Cos}[\beta] \left(8.98755 \times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755 \times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \\
&\left(-8.98755 \times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - 8.98755 \times 10^{16}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta]\right) \left(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) + \\
&2.\, \left(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^3 - \\
&108.\, r^2\, \delta^2 \left(8.98755 \times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755 \times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)^2 \\
&\left(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\right) + \\
&72.\, r^2 \left(-8.98755 \times 10^{16} + v^2\right) \delta^2 \left(8.98755 \times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755 \times 10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + 3.59502 \times 10^{17}\, r\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta\, \text{Cos}[\beta] - 8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) \\
&\left(-8.98755 \times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2\, \text{Cos}[\beta]^2 + 8.98755 \times 10^{16}\, z^3\, \Theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3\, \text{Sin}[\beta]^2\right) + \\
&\sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \text{Cos}[\beta] \left(8.98755 \times 10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755 \times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \left(-8.98755 \times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755 \times 10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 -
\end{aligned}
$$

$$
\begin{aligned}
&8.98755\times10^{16}\, r\, z\, \delta\, \Theta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta \operatorname{Cos}[\beta]\big) + \\
&\big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + \\
&\quad v^2\, z^2\, \Theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \Theta \operatorname{Cos}[\beta] - \\
&\quad 4.\, r\, v^2\, z\, \delta\, \Theta \operatorname{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + \\
&\quad r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\big)^2 - 12.\, r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \\
&\big(-8.98755\times10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\, z^2\, \Theta^2 \operatorname{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2 \operatorname{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\, z^3\, \Theta^3 \operatorname{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3 \operatorname{Sin}[\beta]^2\big)\big)^3 + \\
&\big(108.\, r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \operatorname{Cos}[\beta]^2 \big(-8.98755\times10^{16} \\
&\quad r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \Theta^2 - 1.\, v^2\, z^2\, \Theta^2 - \\
&\quad 8.98755\times10^{16}\, r\, z\, \delta\, \Theta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta \operatorname{Cos}[\beta]\big)^2 + \\
&\quad 36.\, r\, \delta \operatorname{Cos}[\beta] \big(8.98755\times10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - \\
&\qquad 8.98755\times10^{16}\, r\, \delta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, \delta \operatorname{Cos}[\beta]\big) \\
&\qquad \big(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \Theta^2 - 1. \\
&\qquad\quad v^2\, z^2\, \Theta^2 - 8.98755\times10^{16}\, r\, z\, \delta\, \Theta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \Theta \operatorname{Cos}[\beta]\big) \\
&\qquad \big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + \\
&\qquad\quad v^2\, z^2\, \Theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \Theta \operatorname{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta \operatorname{Cos}[\beta] - \\
&\qquad\quad 8.98755\times10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\big) + \\
&\qquad 2.\, \big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + \\
&\qquad\quad v^2\, z^2\, \Theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \Theta \operatorname{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta \\
&\qquad\quad \operatorname{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\big)^3 - \\
&\qquad 108.\, r^2\, \delta^2 \big(8.98755\times10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times \\
&\qquad\quad 10^{16}\, r\, \delta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, \delta \operatorname{Cos}[\beta]\big)^2 \\
&\qquad \big(-8.98755\times10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2 + \\
&\qquad\quad 8.98755\times10^{16}\, z^2\, \Theta^2 \operatorname{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2 \operatorname{Cos}[\beta]^2 + \\
&\qquad\quad 8.98755\times10^{16}\, z^3\, \Theta^3 \operatorname{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3 \operatorname{Sin}[\beta]^2\big) + \\
&\qquad 72.\, r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \big(8.98755\times10^{16}\, r^2\, \delta^2 - \\
&\qquad\quad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \Theta^2 + v^2\, z^2\, \Theta^2 + \\
&\qquad\quad 3.59502\times10^{17}\, r\, z\, \delta\, \Theta \operatorname{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \Theta \operatorname{Cos}[\beta] - \\
&\qquad\quad 8.98755\times10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\big) \\
&\qquad \big(-8.98755\times10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2 + \\
&\qquad\quad 8.98755\times10^{16}\, z^2\, \Theta^2 \operatorname{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \Theta^2 \operatorname{Cos}[\beta]^2 + 8.98755\times \\
&\qquad\quad 10^{16}\, z^3\, \Theta^3 \operatorname{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \Theta^3 \operatorname{Sin}[\beta]^2\big)^2\big)\big)^{1/3}\Bigg) + 0.5
\end{aligned}
$$

$$
\sqrt{\left(\frac{2.\, \left(8.98755\times10^{16}\, z\, \Theta - 1.\, v^2\, z\, \Theta - 8.98755\times10^{16}\, r\, \delta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, \delta \operatorname{Cos}[\beta]\right)^2}{r^2 \left(-8.98755\times10^{16} + v^2\right)^2} - \right.
$$

$$
\frac{1}{r^2 \left(-8.98755\times10^{16} + v^2\right)}
$$

$$
\begin{aligned}
&1.33333 \\
&\big(8.98755\times10^{16}\, r^2\, \delta^2 - \\
&\quad 1.\, r^2\, v^2\, \delta^2 -
\end{aligned}
$$

$$
\begin{aligned}
&8.98755\times 10^{16}\, z^2\,\theta^2 + \\
&v^2\, z^2\,\theta^2 + \\
&3.59502\times 10^{17}\, r\, z\,\delta\,\theta \\
&\quad \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta \\
&\quad \mathrm{Cos}[\beta] - 8.98755\times 10^{16} \\
&\quad r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2 \\
&\quad v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big) - \\
&\Big(0.419974\,\Big(12.\, r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times 10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - \\
&\qquad 8.98755\times 10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\big) \\
&\qquad \big(-8.98755\times 10^{16}\, r^2\,\delta^2 + 1.\, r^2\, v^2\,\delta^2 + 8.98755\times 10^{16}\, z^2\,\theta^2 - \\
&\qquad\quad 1.\, v^2\, z^2\,\theta^2 - 8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + \\
&\qquad\quad 1.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big) + \\
&\qquad \big(8.98755\times 10^{16}\, r^2\,\delta^2 - 1.\, r^2\, v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + \\
&\qquad\quad 3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&\qquad\quad 8.98755\times 10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2 - \\
&\qquad 12.\, r^2\,\big(-8.98755\times 10^{16} + v^2\big)\,\delta^2\,\big(-8.98755\times 10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&\qquad\quad r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - \\
&\qquad\quad 1.\, v^2\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - \\
&\qquad\quad 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)\Big) \Big/ \\
&\Big(r^2\,\big(-8.98755\times 10^{16} + 1.\, v^2\big)\,\Big(108.\, r^2\,\big(-8.98755\times 10^{16} + v^2\big)\,\delta^2\,\mathrm{Cos}[\beta]^2 \\
&\qquad \big(-8.98755\times 10^{16}\, r^2\,\delta^2 + 1.\, r^2\, v^2\,\delta^2 + 8.98755\times 10^{16}\, z^2\,\theta^2 - 1.\, v^2\, z^2\,\theta^2 - \\
&\qquad\quad 8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)^2 + 36. \\
&\qquad r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times 10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - 8.98755\times 10^{16} \\
&\qquad\quad r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\big) \\
&\qquad \big(-8.98755\times 10^{16}\, r^2\,\delta^2 + 1.\, r^2\, v^2\,\delta^2 + 8.98755\times 10^{16}\, z^2\,\theta^2 - \\
&\qquad\quad 1.\, v^2\, z^2\,\theta^2 - 8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big) \\
&\qquad \big(8.98755\times 10^{16}\, r^2\,\delta^2 - 1.\, r^2\, v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + \\
&\qquad\quad v^2\, z^2\,\theta^2 + 3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&\qquad\quad 8.98755\times 10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big) + 2. \\
&\qquad \big(8.98755\times 10^{16}\, r^2\,\delta^2 - 1.\, r^2\, v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + \\
&\qquad\quad v^2\, z^2\,\theta^2 + 3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&\qquad\quad 8.98755\times 10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3 - \\
&\qquad 108.\, r^2\,\delta^2\,\big(8.98755\times 10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - 8.98755\times 10^{16} \\
&\qquad\quad r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\big)^2 \\
&\qquad \big(-8.98755\times 10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&\qquad\quad 8.98755\times 10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + \\
&\qquad\quad 8.98755\times 10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big) + 72. \\
&\qquad r^2\,\big(-8.98755\times 10^{16} + v^2\big)\,\delta^2\,\big(8.98755\times 10^{16}\, r^2\,\delta^2 - \\
&\qquad\quad 1.\, r^2\, v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + \\
&\qquad\quad 3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&\qquad\quad 8.98755\times 10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big) \\
&\qquad \big(-8.98755\times 10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 +
\end{aligned}
$$

$$
\begin{aligned}
&8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+\\
&\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\qquad r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+\\
&\qquad 1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)+\\
&\quad\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad 4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^2-12.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\\
&\quad\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)\Big)^3+\\
&\Big(108.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)^2+\\
&\quad 36.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\\
&\qquad 8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\\
&\quad\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\\
&\qquad z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)\\
&\quad\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+\\
&\quad 2.\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\\
&\qquad\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-\\
&\quad 108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times\\
&\qquad 10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2\\
&\quad\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+\\
&\quad 72.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\qquad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\qquad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\\
&\quad\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big)-\\
&\frac{1}{r^2\,\Big(-8.98755\times10^{16}+v^2\Big)}\,0.264567\,\Big(108.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\\
&\qquad\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-
\end{aligned}
$$

$$
\begin{aligned}
&\left(1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2 + \\
&36.\, r\, \delta\, \text{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\right. \\
&\quad \left. r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - \right. \\
&\quad 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + \\
&\quad \left. 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - \right. \\
&\quad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&\quad 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&\quad \left. 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) + \\
&2.\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \right. \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&\quad \left. 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^3 - \\
&108.\, r^2\, \delta^2\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\right. \\
&\quad \left. r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)^2 \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \right. \\
&\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&\quad \left. 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right) + \\
&72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \left(8.98755\times 10^{16}\, r^2\, \delta^2 - \right. \\
&\quad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&\quad 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&\quad \left. 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right) \\
&\left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \right. \\
&\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&\quad \left. 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right) + \\
&\sqrt{\left(-4.\, \left(12.\, r\, \delta\, \text{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\right.\right.\right.} \\
&\qquad \left.\left.\left. r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right)\, \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + \right.\right. \\
&\qquad \left.\left. 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \right.\right. \\
&\qquad \left.\left. 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right) + \right. \\
&\qquad \left(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \right. \\
&\qquad\quad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - \\
&\qquad\quad 4.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + \\
&\qquad\quad \left. r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2\right)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2 \\
&\qquad \left(-8.98755\times 10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + \right. \\
&\qquad\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + \\
&\qquad\quad \left. 8.98755\times 10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2\right)\Big)^3 + \\
&\quad \left(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \text{Cos}[\beta]^2\, \left(-8.98755\times 10^{16}\right.\right. \\
&\qquad \left.\left. r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \right.\right. \\
&\qquad \left.\left. 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)^2 + \right. \\
&\qquad 36.\, r\, \delta\, \text{Cos}[\beta]\, \left(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \right. \\
&\qquad\quad \left. 8.98755\times 10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \text{Cos}[\beta]\right) \\
&\qquad \left(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, \right. \\
&\qquad\quad \left. v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]\right)
\end{aligned}
$$

$$\left(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+ v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]- 8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+ r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+$$
$$2.\left(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+ v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\, \text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+ r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-$$
$$108.\, r^2\,\delta^2\left(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta-8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\right)^2$$
$$\left(-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+ r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\, v^2\, z^2\,\theta^2\,\text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\, v^2\, z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+$$
$$72.\, r^2\left(-8.98755\times 10^{16}+ v^2\right)\delta^2\left(8.98755\times 10^{16}\, r^2\,\delta^2- 1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+ v^2\, z^2\,\theta^2+ 3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]- 8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+ r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\right)$$
$$\left(-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+ r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\, v^2\, z^2\,\theta^2\,\text{Cos}[\beta]^2+ 8.98755\times 10^{16}\, z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\, v^2\, z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Bigg)^{1/3}+$$

$$\Bigg(0.25\left(-\left(\left(8.\left(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta-8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+ 1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\right)^3\right)\Big/\left(r^3\left(-8.98755\times 10^{16}+ v^2\right)^3\right)\right)+$$
$$\frac{1}{r^2\left(-8.98755\times 10^{16}+ v^2\right)}16.\,\delta\,\text{Cos}[\beta]\left(-8.98755\times 10^{16}\, r^2\,\delta^2+ 1.\, r^2\, v^2\,\delta^2+8.98755\times 10^{16}\, z^2\,\theta^2-1.\, v^2\, z^2\,\theta^2- 8.98755\times 10^{16}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]+1.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]\right)+$$
$$\left(8.\left(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta-8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+ 1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\right)\left(8.98755\times 10^{16}\, r^2\,\delta^2-1.\, r^2\, v^2\,\delta^2- 8.98755\times 10^{16}\, z^2\,\theta^2+ v^2\, z^2\,\theta^2+3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]- 4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+ r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\Big/\left(r^3\left(-8.98755\times 10^{16}+ v^2\right)^2\right)\right)\Big/$$

$$\Bigg(\sqrt{\left(\left(1.\left(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta-8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+ 1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\right)^2\right)\Big/\left(r^2\left(-8.98755\times 10^{16}+ v^2\right)^2\right)-$$
$$\frac{1}{r^2\left(-8.98755\times 10^{16}+ v^2\right)}0.666667\left(8.98755\times 10^{16}\, r^2\,\delta^2- 1.\, r^2\, v^2\,\delta^2-8.98755\times 10^{16}\, z^2\,\theta^2+ v^2\, z^2\,\theta^2+ 3.59502\times 10^{17}\, r\, z\,\delta\,\theta\,\text{Cos}[\beta]-4.\, r\, v^2\, z\,\delta\,\theta\,\text{Cos}[\beta]- 8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2+ r^2\, v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+$$
$$\Bigg(0.419974\left(12.\, r\,\delta\,\text{Cos}[\beta]\left(8.98755\times 10^{16}\, z\,\theta-1.\, v^2\, z\,\theta- 8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta]+1.\, r\, v^2\,\delta\,\text{Cos}[\beta]\right)\right)$$

$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)+\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^2-12.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)\Big)\Big/\Big(r^2\,\Big(-8.98755\times10^{16}+1.\,v^2\Big)\,\Big(108.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)^2+36.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+2.\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+72.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)+\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^2-12.\,r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^3+\left(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)^{1/3}\Big)+\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}0.264567\left(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\text{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.\,r\,\delta\,\text{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-$$

$$
\begin{aligned}
&8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)+\\
&2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-\\
&108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\quad r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)^2\\
&\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&72.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)\\
&\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\\
&\sqrt{\Big(-4.\,\big(12.\,r\,\delta\,\text{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times\\
&\qquad 10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)\,\big(-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\\
&\qquad \big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\\
&\qquad\quad z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad 4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\\
&\qquad \big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^3+\\
&\quad\big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\text{Cos}[\beta]^2\\
&\qquad \big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\\
&\qquad 1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\\
&\qquad \theta\,\text{Cos}[\beta]\big)^2+36.\,r\,\delta\,\text{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\\
&\qquad v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\big)\\
&\qquad \big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\\
&\qquad\quad z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+\\
&\qquad 1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\\
&\qquad \text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\\
&\qquad \text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)+2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\qquad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\qquad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-\\
&\qquad 8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-\\
&\quad 108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-
\end{aligned}
$$

$$8.98755\times10^{16}\,r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+72.$$
$$r^2\,\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2$$
$$v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}$$
$$r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}$$
$$r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)\,\Big(-8.98755\times10^{16}$$
$$r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}\,z^2$$
$$\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+8.98755\times10^{16}$$
$$z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)^2\Big)\Big)^{1/3}\Big)\Big)\Big)\Big\}\Big\}$$

$$\Big\{\Big\{\alpha\to-\frac{0.5`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])}{r}-0.5`\,\sqrt{\Big(\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-$$
$$\frac{0.6666666666666666`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)}{r^2}+$$
$$\Big(0.41997368329829105`\,\Big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$
$$\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+$$
$$\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-$$
$$12.`\,r^2\,\delta^2\,\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\Big)\Big)\Big/$$
$$\Big(r^2\,\Big(108.\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`$$
$$r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta$$
$$\theta\,\text{Cos}[\beta]\right)\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+$$
$$2.`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-$$
$$108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2$$
$$\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`$$
$$r^2\,\delta^2\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)$$
$$\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+$$
$$\sqrt{\Big(-4.`\,\Big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$
$$\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(-1.`\,r^2\,\delta^2+\right.$$
$$\left.z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.`\,r^2\,\delta^2$$
$$\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\Big)^3+$$
$$\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+$$
$$36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$
$$\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)$$
$$\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+$$
$$2.`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-$$
$$108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2$$
$$\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`$$

$$r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)\Big)^{1/3}\Big)+$$

$$\frac{1}{r^2}\,0.26456684199469993`\left(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.`\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+\sqrt{\Big(-4.`\left(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.`\,r^2\,\delta^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\right)^3+\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.`\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)\Big)^{1/3}\Big)-$$

$$0.5`\sqrt{\left(\frac{2.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-\frac{1.3333333333333333`\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)}{r^2}-\Big(0.41997368329829105`\left(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.`\,r^2\,\delta^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\right)\Big/\Big(r^2\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.`$$

$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)^2\right)\right)^{1/3}\right) - \frac{1}{r^2} 0.26456684199469993` \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) +$$

$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\Big)^2\Big)\Big)^{1/3} -$$
$$\left(0.25` \left(-\frac{8.` (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^3}{r^3} + \right.\right.$$
$$\frac{16.` \delta \text{Cos}[\beta] \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)}{r^2} +$$
$$\frac{1}{r^3} 8.` (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])$$
$$\left.\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)\right)\Big/$$
$$\left(\sqrt{\left(\frac{1.` (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^2}{r^2} - \frac{1}{r^2} 0.6666666666666666` \right.\right.$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) +$$
$$\left(0.41997368329829105` \left(12.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])\right.\right.$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) +$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 -$$
$$\left.\left.12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)\right)\Big/$$
$$\left(r^2 \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + \right.\right.$$
$$36.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) +$$
$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 -$$
$$108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^2$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) +$$
$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) +$$
$$\sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])\right.\right.}$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) +$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 -$$
$$12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - \right.$$
$$\left.\left.1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \right.$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 +$$
$$36.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + \right.$$
$$\left.z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left.$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 -$$
$$108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^2$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) +$$
$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + \right.$$

$$r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)^2\big)\big)^{1/3}\Big)+\frac{1}{r^2}\,0.26456684199469993`\,\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\sqrt{\Big(-4.`\,\Big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^3+\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)^2\Big)\Big)^{1/3}\Big)\Big)\Big)\Big\},$$

$$\Big\{\alpha\to-\frac{0.5`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])}{r}-0.5`\,\sqrt{\Big(\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-\frac{0.6666666666666666`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)}{r^2}+\Big(0.41997368329829105`\,\Big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)\Big/\Big(r^2\,\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+$$

$$
\begin{aligned}
&36.` r\,\delta\,\text{Cos}[\beta]\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])\\
&\quad (1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta])\\
&\quad (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2) + 2.`\\
&\quad (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)^3 - 108.`\\
&\quad r^2\,\delta^2\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])^2\\
&\quad (r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2) + 72.`\\
&\quad r^2\,\delta^2\,(-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)\\
&\quad (r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2) +\\
&\sqrt{\Big(-4.` \big(12.` r\,\delta\,\text{Cos}[\beta]\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])\\
&\qquad (1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta]) + (-1.` r^2\,\delta^2 +\\
&\qquad z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)^2 - 12.` r^2\,\delta^2\\
&\qquad (r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2)\big)^3 +\\
&\quad \big(108.` r^2\,\delta^2\,\text{Cos}[\beta]^2\,(1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta])^2 +\\
&\qquad 36.` r\,\delta\,\text{Cos}[\beta]\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])\\
&\qquad (1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta])\\
&\qquad (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2) +\\
&\qquad 2.` (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)^3 -\\
&\qquad 108.` r^2\,\delta^2\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])^2\\
&\qquad (r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2) + 72.`\\
&\qquad r^2\,\delta^2\,(-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)\\
&\qquad (r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2)\big)^2\big)\big)^{1/3}\Big) +\\
&\frac{1}{r^2}\,0.26456684199469993` \Big(108.` r^2\,\delta^2\,\text{Cos}[\beta]^2\,(1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 +\\
&\qquad 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta])^2 + 36.` r\,\delta\,\text{Cos}[\beta]\,(-1.` z\,\theta +\\
&\qquad 1.` r\,\delta\,\text{Cos}[\beta])\,(1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta])\\
&\quad (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2) +\\
&\quad 2.` (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)^3 -\\
&\quad 108.` r^2\,\delta^2\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])^2\\
&\quad (r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2) +\\
&\quad 72.` r^2\,\delta^2\,(-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)\\
&\quad (r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2) +\\
&\quad \sqrt{\Big(-4.` \big(12.` r\,\delta\,\text{Cos}[\beta]\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])\\
&\qquad (1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta]) +\\
&\qquad (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2)^2 - 12.`\\
&\qquad r^2\,\delta^2\,(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.` z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.` z^3\,\theta^3\,\text{Sin}[\beta]^2)\big)^3 +\\
&\quad \big(108.` r^2\,\delta^2\,\text{Cos}[\beta]^2\,(1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta])^2 +\\
&\qquad 36.` r\,\delta\,\text{Cos}[\beta]\,(-1.` z\,\theta + 1.` r\,\delta\,\text{Cos}[\beta])\\
&\qquad (1.` r^2\,\delta^2 - 1.` z^2\,\theta^2 + 1.` r\,z\,\delta\,\theta\,\text{Cos}[\beta])\\
&\qquad (-1.` r^2\,\delta^2 + z^2\,\theta^2 - 4.` r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2) +
\end{aligned}
$$

$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta])^2 \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)^2\Big)^{1/3}\Bigg) +$$

$$0.5` \sqrt{\frac{2.` (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta])^2}{r^2} - \frac{1.3333333333333333` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)}{r^2} - \left(0.41997368329829105` \left(12.` r \delta \operatorname{Cos}[\beta] (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)\right)\Big/ \left(r^2 \left(108.` r^2 \delta^2 \operatorname{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right)^2 + 36.` r \delta \operatorname{Cos}[\beta] (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta])^2 \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \operatorname{Cos}[\beta] (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \operatorname{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right)^2 + 36.` r \delta \operatorname{Cos}[\beta] (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta])^2 \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)^2\Big)^{1/3}\Bigg) -$$

$$\frac{1}{r^2}\,0.26456684199469993`\,\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\sqrt{\Big(-4.`\,\big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)^3+\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^2\Big)}\Big)^{1/3}-\Big(0.25`\,\Big(-\frac{8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^3}{r^3}+\frac{16.`\,\delta\,\text{Cos}[\beta]\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)}{r^2}+\frac{1}{r^3}8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\Big)\Big)\Big/\Big(\sqrt{\Big(\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-\frac{1}{r^2}0.6666666666666666`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+\Big(0.41997368329829105`\,\big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)\Big)^2\Big)}\Big)$$

$$\left(r^2 \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)^2\right)\right)^{1/3}\right) + \frac{1}{r^2} 0.26456684199469993` \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)^2\Big)^{1/3}\Big)\Big)\Big\},$$

$$\Big\{\alpha \to -\frac{0.5` \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)}{r} + 0.5` \sqrt{\Bigg(\frac{1.` \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2}{r^2} - \frac{0.6666666666666666` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)}{r^2} + \Big(0.41997368329829105` \Big(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\Big)\Big) \Big/ \Big(r^2 \Big(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\Big(-4.` \Big(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\Big)^3 + \Big(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2$$

$$\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)\Big)^{1/3}\Big)+$$

$$\frac{1}{r^2}\,0.26456684199469993`\,\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+\sqrt{\Big(-4.`\,\Big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.`\,r^2\,\delta^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\Big)^3+\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)^2\Big)}\Big)^{1/3}\Big)-$$

$$0.5`\,\sqrt{\left(\frac{2.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-\frac{1.3333333333333333`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)}{r^2}-\Big(0.41997368329829105`\,\Big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.`\,r^2\,\delta^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\Big)\Big/\Big(r^2\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.`$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.`$$
$$r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.`$$
$$r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) +$$
$$\sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)\right.\right.}$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 +\right.$$
$$\left.\left.z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2\right.$$
$$\left.\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 +$$
$$\left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 +\right.$$
$$36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) +$$
$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 -$$
$$108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.`$$
$$r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)$$
$$\left.\left.\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\Bigg) -$$

$$\frac{1}{r^2} 0.26456684199469993` \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 +\right.\right.$$
$$\left.1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta +$$
$$1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) +$$
$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 -$$
$$108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) +$$
$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)$$
$$\left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) +$$
$$\sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)\right.\right.}$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) +$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.`$$
$$\left.\left.r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 +\right.$$
$$\left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 +\right.$$
$$36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) +$$
$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 -$$

$$
\begin{aligned}
&108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^2 \\
&\quad (r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2) + \\
&72.` r^2 \delta^2 (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2) \\
&\quad (r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2)\Big)^2\Big)\Big)^{1/3} + \\
&\Bigg(0.25` \Bigg(-\frac{8.` (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^3}{r^3} + \\
&\frac{16.` \delta \text{Cos}[\beta] (1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta])}{r^2} + \\
&\frac{1}{r^3} 8.` (-1.` z \theta + 1.` r \delta \text{Cos}[\beta]) \\
&\quad (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2)\Bigg)\Bigg) \Big/ \\
&\Bigg(\sqrt{\Bigg(\frac{1.` (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^2}{r^2} - \frac{1}{r^2} 0.6666666666666666` \\
&\quad (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2) + \\
&\quad \Big(0.41997368329829105` \Big(12.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta]) \\
&\qquad (1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]) + \\
&\qquad (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2)^2 - \\
&\qquad 12.` r^2 \delta^2 (r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2)\Big)\Big) \Big/ \\
&\Big(r^2 \Big(108.` r^2 \delta^2 \text{Cos}[\beta]^2 (1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta])^2 + \\
&\quad 36.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta]) \\
&\quad (1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]) \\
&\quad (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2) + \\
&\quad 2.` (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2)^3 - \\
&\quad 108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^2 \\
&\quad (r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2) + \\
&\quad 72.` r^2 \delta^2 (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2) \\
&\quad (r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2) + \\
&\quad \sqrt{\Big(-4.` \Big(12.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta]) \\
&\qquad (1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]) + \\
&\qquad (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2)^2 - \\
&\qquad 12.` r^2 \delta^2 (r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - \\
&\qquad\quad 1.` z^3 \theta^3 \text{Sin}[\beta]^2)\Big)^3 + \Big(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \\
&\qquad (1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta])^2 + \\
&\qquad 36.` r \delta \text{Cos}[\beta] (-1.` z \theta + 1.` r \delta \text{Cos}[\beta]) \\
&\qquad (1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]) (-1.` r^2 \delta^2 + \\
&\qquad\quad z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2) + 2.` \\
&\qquad (-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2)^3 - \\
&\qquad 108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \text{Cos}[\beta])^2
\end{aligned}
$$

$$\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)\Big)^{1/3}\Big)+\frac{1}{r^2}\,0.26456684199469993`\left(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.`\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+\sqrt{\Big(-4.`\left(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.`\,r^2\,\delta^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\right)^3+\left(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)+2.`\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)+72.`\,r^2\,\delta^2\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)^2\Big)\Big)^{1/3}\Big)\Big)\Big)\Big\},$$

$$\Big\{\alpha\to-\frac{0.5`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])}{r}+0.5`\sqrt{\Big(\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-\frac{0.6666666666666666`\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)}{r^2}+\Big(0.41997368329829105`\left(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\right)+\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\right)^2-12.`\,r^2\,\delta^2\left(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\right)\right)\Big/$$

$$\left(r^2 \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)^2\right)\right)^{1/3}\right) + \frac{1}{r^2} 0.26456684199469993` \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)$$

$$
\begin{aligned}
&\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) + \\
&2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^3 - \\
&108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right)^2 \\
&\left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + \\
&72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) \\
&\left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)^2\Big)^{1/3}\Bigg) + \\
0.5` \sqrt{\Bigg(\frac{2.` \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right)^2}{r^2} - } \\
&\frac{1.3333333333333333` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)}{r^2} - \\
&\Big(0.41997368329829105` \\
&\quad \Big(12.` r \delta \operatorname{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right) \\
&\qquad \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) + \\
&\qquad \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^2 - \\
&\qquad 12.` r^2 \delta^2 \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)\Big)\Big) \Big/ \\
&\Big(r^2 \Big(108.` r^2 \delta^2 \operatorname{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right)^2 + \\
&\quad 36.` r \delta \operatorname{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right) \\
&\quad \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) \\
&\quad \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) + 2.` \\
&\quad \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^3 - 108.` \\
&\quad r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right)^2 \\
&\quad \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + 72.` \\
&\quad r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) \\
&\quad \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + \\
&\quad \sqrt{\Big(-4.` \Big(12.` r \delta \operatorname{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right) \\
&\qquad \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + \right. \\
&\qquad \left. z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \\
&\qquad \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)\Big)^3 + \\
&\quad \Big(108.` r^2 \delta^2 \operatorname{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right)^2 + \\
&\qquad 36.` r \delta \operatorname{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right) \\
&\qquad \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \operatorname{Cos}[\beta]\right) \\
&\qquad \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) + \\
&\qquad 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^3 - \\
&\qquad 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \operatorname{Cos}[\beta]\right)^2 \\
&\qquad \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + 72.` \\
&\qquad r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \operatorname{Cos}[\beta] + r^2 \delta^2 \operatorname{Cos}[\beta]^2\right) \\
&\qquad \left(r^2 \delta^2 \operatorname{Cos}[\beta]^2 - 1.` z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.` z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)^2\Big)\Big)^{1/3}\Big) -
\end{aligned}
$$

$$\frac{1}{r^2}\,0.26456684199469993`\,\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+\sqrt{\Big(-4.`\,\big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)^3+\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^2\Big)}\Big)^{1/3}+\Big(0.25`\,\Big(-\frac{8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^3}{r^3}+\frac{16.`\,\delta\,\text{Cos}[\beta]\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)}{r^2}+\frac{1}{r^3}8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\Big)\Big/\Big(\sqrt{\Big(\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-\frac{1}{r^2}0.6666666666666666`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+\Big(0.41997368329829105`\,\big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)\Big)\Big/$$

$$\left(r^2 \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)^2\right)\right)^{1/3}\right) + \frac{1}{r^2} 0.26456684199469993` \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + \sqrt{\left(-4.` \left(12.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \text{Cos}[\beta]^2$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right)^2 + 36.` r \delta \text{Cos}[\beta] \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right) \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \text{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) + 2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right)^3 - 108.` r^2 \delta^2 \left(-1.` z \theta + 1.` r \delta \text{Cos}[\beta]\right)^2 \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right) + 72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \text{Cos}[\beta] + r^2 \delta^2 \text{Cos}[\beta]^2\right) \left(r^2 \delta^2 \text{Cos}[\beta]^2 - 1.` z^2 \theta^2 \text{Cos}[\beta]^2 - 1.` z^3 \theta^3 \text{Sin}[\beta]^2\right)^2\Big)^{1/3}\Big)\Big)\Big)\Big\}\Big\}$$

Considering the counting, "backward," from infinity instead of, "forward," from zero, we see how there is an, "infinite pattern," of mathematical forms and equations, akin to a tapestry that vibrates throughout the cosmos . That your, "material," form; a higher dimensional compounded lattice of the cosmic geometry, supports consciousness that can comprehend the nature of the material body that hosts it, and also contemplate the essential nature of its infinite pattern and self, is a marvel of transformation and higher dimensional motion that compels one to acknowledge the infinite as the all knowing, guiding force of the Universe; the All . In this way, we understand the potential of being, "Children of God," beings with an immortal, eternal soul, the soul' s being that which connects the individual to infinity . So long as the person stays close to the precepts of love, life will follow . The resurrection is the manifestation of the infinite through the numerous examples of phenomenological spontaneity, not that we can fathom all the mysteries of the spirit, but that we do understand the veritability of visions through higher dimensions of perception akin to the true, a - temporal, "future." By future, I mean the liberated realm of the virtual imaginary, where saints and angels interact in the heavens of paradise and bliss .