

# Could This Be Fermat's Lost 'Proof' of FLT?

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**Theorem 1**  $x^p + y^p \neq z^p$  for any prime  $p > 2$ , where  $x, y, z, p \in \mathbb{N}$  and  $x, y, z$  are co-prime.

**Fermat's Lost 'Proof'** In any mathematical model of a universe  $U_p$  where a fundamental particle is not *treated* as a *point* particle, but as a  $p$ -D hypercube<sup>1</sup> of side  $\frac{2}{p}$  and volume  $(\frac{2}{p})^p$ —where  $\frac{2}{p}$  is a fundamental constant like, say, Planck's constant  $\hbar$ —we cannot find natural numbers  $(\frac{px}{2})^p, (\frac{py}{2})^p, (\frac{pz}{2})^p$ , where  $x, y, z$  are co-prime, such that  $(\frac{2}{p})^p(\frac{px}{2})^p + (\frac{2}{p})^p(\frac{py}{2})^p = (\frac{2}{p})^p(\frac{pz}{2})^p$  if  $p > 2$ . The theorem follows.  $\square$

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<sup>1</sup>See <https://en.wikipedia.org/wiki/Hypercube>.