

# Re: FLTMA: A little group theory

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- *From:* Gerry Myerson <[gerry@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:gerry@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
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In article <1160096826.870833.309200@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, "The Dougster" <[DGoncz@xxxxxxx](mailto:DGoncz@xxxxxxx)> wrote:

Let me summarize.

The whole point of this thread is to see if we can show that there are no counterexamples to FLT, because there are no primitive counterexamples, because there are no candidate counterexamples (x,y,z,p) with

- (1) p odd prime
- (2)  $\gcd(x,y,z) = 1$  or x,y,z pairwise coprime
- (3) exactly one of {x,y,z} even
- (4)  $x < y < z < (z+y)$
- (5)  $(x^p + y^p) \equiv 0 \pmod{z}$
- (6)  $(z^p - x^p) \equiv 0 \pmod{y}$
- (7)  $(z^p - y^p) \equiv 0 \pmod{x}$

using group theory or whatever we happen to have lying around. :)

Unless whatever you happen to have lying around includes Galois representations and the like, your chances of success are pretty much zero.

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Gerry Myerson ([gerry@xxxxxxxxxxxxxxxxxxxx](mailto:gerry@xxxxxxxxxxxxxxxxxxxx)) (i -> u for email)