

## Re: FLTMA: A little group theory

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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. :)

I think I left out a condition....there were 8, weren't there? Er....

Doug

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