



10 Parameters
ALL MPS follow:

- $x=z-y=PN/z=2^{p-1}$ • $4x--8x--16x... expansion*$
- $z=Mp=2^p-1=x+y$
 $z_n=z_{next}$ z value
- $z^2=Mp^2=$ Mersenne Prime Square
 $z^2_p=$ previous
 $z^2_n=$ next
- $PN=xz$ • $OC=yz$
- $PN_p=PN_{previous}$
- $4PN=$ Perfect Number $\times 4$
- $CR=xy=$ Complement Rectangle
 $CR_n=CR_{next}$
- $y=x-1=z_{prev}=z-x$
 $z^2+4x=4PN$
- $4PN + 2x = PN_{next}$
 $(4 \cdot 28) + 2(4) = 120$

- GREEN Line
- GREEN Line
- PURPLE Line
- YELLOW Line
- YELLOW Line
- RED Line

$\Delta 4PN - 4x = 4PN_{previous}$
 EX: $24 - 16 = 8$
 $56 - 32 = 24$
 $120 - 64 = 56$
 $248 - 128 = 120$

10 Parameters on the UPPER diagonal side of the Diamond become the expanded parameters on the LOWER diagonal side, that itself is the UPPER side of the "next" Diamond. ALL parameters are connected and related this way, giving rise to the straight-line connectors.

* 1/2
UPPER Diagonal

The first four Mersenne PRIME - Perfect Number Squares on the BIM