

Table 124: Mersenne Prime Squares-3+ Containers"

Table with 15 columns: (2y^2+y)/y, (2x^2-x)/x, x+y = x^2 - y^2, 2x^exp, p, #, p, Mp = 2^p - 1, Mp^2 = MPS, PN = (2^p-1)(2^p - 1), 2^p-1 = 2^p/2, PNS, OC, OC/Mp, OCS, CR, 2^p, 2^p + 1, 2^p/8, p. The table contains numerical data for various Mersenne primes and their squares, with some cells containing text like 'finish table: next entry would be p=20, x=524288...'. The final row summarizes the parity of the values: Ends (1 or 7, 1 or 9, 6 or 8, 4 or 6, 6, 1 or 5, 3 or 5, 5 or 9, 0 or 2, 2 or 8, 3 or 9, 4 or 6), p (ODD, ODD, EVEN, EVEN, EVEN, ODD, ODD, ODD, EVEN, EVEN, ODD, EVEN, EVEN, p).

KEY: p=PRIME Mp=Mersenne Prime= 2^p - 1 Mp^2 = Mersenne Prime Square PN=Perfect Number = (2^p-1)(2^p - 1) OC=ODD Complement (to PN) PNS=Perfect Number Square OCS=ODD Complement Square CR=Complement Rectangle

End # Analysis: z^2+xz=7 z^2+xy=1 x+xz=2 y+yz=1 x+xy=6 y^2+yz=0 xz-xy=6 z^2*x=6 x^2-z^2=x y^2-z^2=yz Δx&y=1 Δy^2&xz=1 holds true for ALL except for first, p=2. See Table 137.

Table 124:Mersenne Prime Squares: 13 parameters of the First 51 Mersenne Primes. copyright©2021-23, Regina'd Brooks, Brooks Design. All rights reserved.