

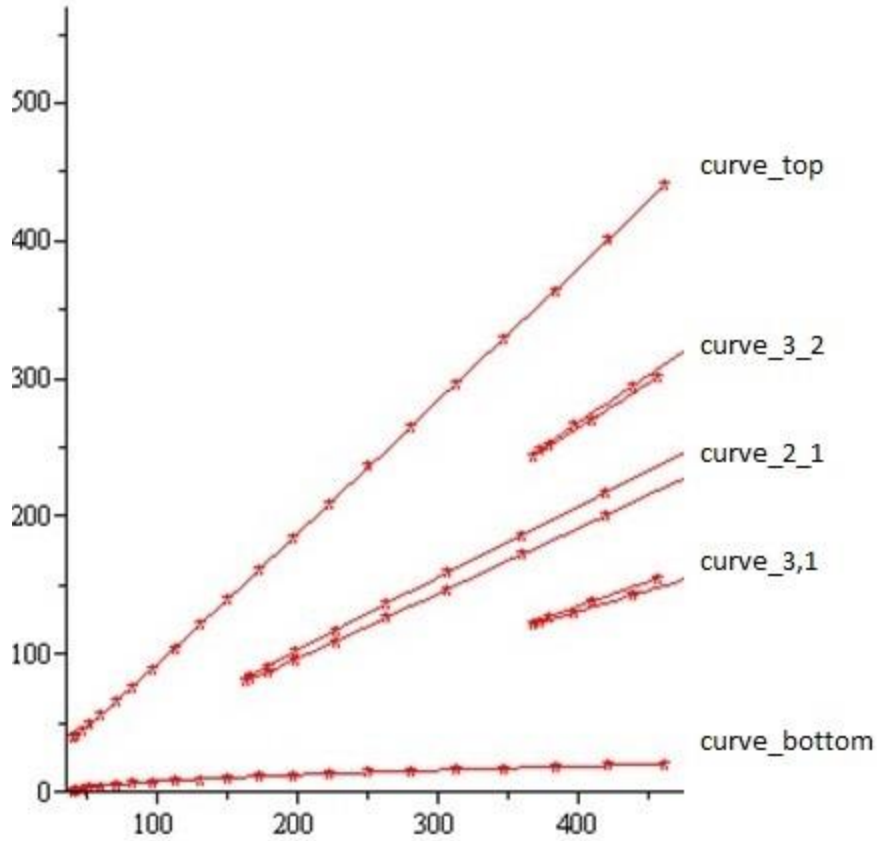
Prime Producing Polynomail project rehash

By Matt C. Anderson

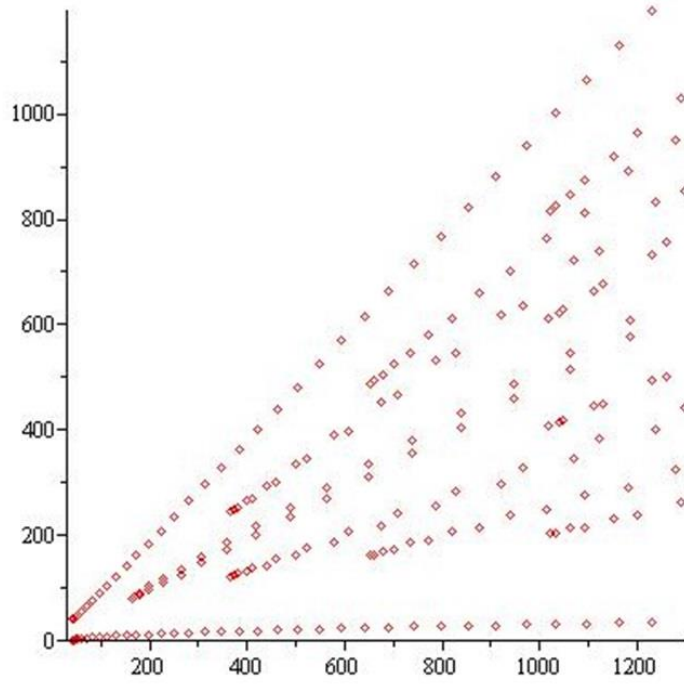
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We assume  $n$  is an integer. From before,  $h(n) = n^2 + n + 41$ . Our “graph of discrete divisors” shows values of  $y$  such that  $0 < y < x$  and  $h(y) \bmod x$  is congruent to 0. See graph.

The points on the graph can be connected by exact curve fit. The connecting curves are parabolas. We have defined a numbering system for each of the parabolas. All the parabolas are defined parametrically.



Curve<sub>R,C</sub> is defined where R and C are integers and  $0 < C < R$ . Also  $\text{gcd}(R,C) = 1$ . That is to say, the row index and column index must be relatively prime.



Take this for what it's worth.

Matt