A062694 revision #15

A062694 Squarefree n such that the elliptic curve n*y^2 = x^3 - x arising in the "congruent number" problem has rank 3 and nontrivial SHA[2]. [2]

42486, 68839, 80189, 82205, 83845, 88502, 92045, 112326, 116645, 125749, 142222, 182005, 199805, 202742, 270805, 275286, 282613, 287246, 295222, 342205, 372742, 392502, 440453, 450079, 473263, 477581, 487302, 488047

(list; graph; refs; listen; history; text; internal format)

OFFSET 0,1

COMMENTS Conjectural, as detailed in the pages from which it is extracted (see the first few links at the web site mentioned for details), but the conjecture is supported by much numerical and theoretical evidence.

LINKS Table of n, a(n) for n=0..27.
Jose Aranda, Table of n, a(n) for n = 0..54(first 28 terms from Noam D. Elkies)
Jose Aranda, PARI Script
A. Dujella, A. S.Janfeda, and S. Salami, A Search for High Rank Congruent Number Elliptic Curves, JIS 12 (2009) 09.5.8
Noam D. Elkies, Algorithmic (a.k.a. Computational) Number Theory: Tables, Links, etc.

CROSSREFS Cf. A062693, A062695.
Sequence in context: A031670 A237312 A217164 * A210264 A251245 A187959
Adjacent sequences: A062691 A062692 A062693 * A062695 A062696 A062697

KEYWORD nonn,hard,changed

AUTHOR Noam D. Elkies, Jul 04 2001

STATUS proposed