THE ON-LINE ENCYCLOPEDIA OF INTEGER SEQUENCES ®

founded in 1964 by N. J. A. Sloane

Revision History for A062694

(Bold, blue-underlined text is an **addition**; faded, red-underlined text is a deletion.)

Showing entries 1-10 | older changes

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].
(history; published version)

#24 by N. J. A. Sloane at Sun Sep 01 21:43:25 EDT 2024

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

OFFSET
```
1,0,1
```

LINKS
```
Jose Aranda, A. Dujella, A. S.Janfeda, S. Salami, <a
  href="https://cs.uwaterloo.ca/journals/JIS/VOL12/A062694
  Janfada/a062694janfada3.txthtml">PARI ProgramA Search for High Rank
  Congruent Number Elliptic Curves</a>, JIS 12 (2009) 09.5.8
A. Dujella, A. S.Janfeda, and S. Salami, <a
  href="https://cs.uwaterloo.ca/journals/JIS/VOL12/Janfada/janfada3.html">A
  search for high rank congruent number elliptic curves</a>, JIS 12 (2009)
  09.5.8
Noam N. D. Elkies, <a
  href="http://www.math.harvard.edu/~elkies/compnt.html">Algorithmic
  (a.k.a. Computational) Number Theory: Tables, Links, etc.</a>
```

KEYWORD
```
nonn,hard,changed
nonn
```

STATUS
```
proposed
approved
```

#23 by Andrew Howroyd at Sun Sep 01 13:00:00 EDT 2024

STATUS
```
editing
proposed
```

Discussion

Sun Sep 01 18:11 **N. J. A. Sloane**: We do not allow programs based on conjectures. Is the proposed PARI program absolute, or does it depend on conjectures (in which case it must be deleted, together with the b-file if it was found using the programsm).

18:25 **Jose Aranda**: Sorry, I didn't know that and yes it is based on BSD conjecture. Go ahead, delete as much as you feel like. What a day I've had.

#22 by Andrew Howroyd at Sun Sep 01 12:59:47 EDT 2024

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

STATUS
```
proposed
editing
```

#21 by Andrew Howroyd at Sun Sep 01 12:58:51 EDT 2024

STATUS
```
editing
proposed
```

#20 by Andrew Howroyd at Sun Sep 01 12:56:53 EDT 2024

LINKS
```
Jose Aranda, <a href="/A062694/b062694_1a062694.txt">Table of n, a(n)
  for n = 0..54PARI Program</a>
Jose Aranda, <a href="/A062694/a062694.txt">PARI Script</a>
```

STATUS proposed
editing

Discussion

Sun Sep 01 12:58 **Andrew Howroyd**: After Charles' offset correction, a new b-file will be needed. (terms must start at index 1 instead of 0)

#19 by Michel Marcus at Sat Aug 24 11:53:57 EDT 2024

STATUS editing
proposed

#18 by Michel Marcus at Sat Aug 24 11:53:26 EDT 2024

LINKS `Jose Aranda, <a href="/A062694/b062694_1.txt">Table of n, a(n) for n = 0..54</a>(first 28 terms from Noam D. Elkies)`

STATUS proposed
editing

Discussion

Sat Aug 24 11:53 **Michel Marcus**: this is the first bfile, so no need for this

#17 by Jose Aranda at Sat Aug 24 08:58:56 EDT 2024

STATUS editing
proposed

#16 by Charles R Greathouse IV at Fri Aug 23 22:48:46 EDT 2024

OFFSET `0,1`**`,1`**

LINKS `A. Dujella, A. S.Janfeda, and S. Salami, <a href="https://cs.uwaterloo.ca/journals/JIS/VOL12/Janfada/janfada3.html">A Search` **`search`** `for High Rank Congruent Number Elliptic Curves`**`high rank congruent number elliptic curves`**`</a>, JIS 12 (2009) 09.5.8`

STATUS proposed
editing

#15 by Stefano Spezia at Tue Aug 20 10:36:13 EDT 2024

STATUS editing
proposed

Discussion

Fri Aug 23 04:38 **Jose Aranda**: My idea is to demystify the subject.