

Discovery of the prime number equation(vol.3)

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[Abstract]

I found a prime number equation.

$$\sqrt{1200a + 1} = t$$

(a = positive integer, t = prime number etc.)

For other positive integers(a), t is an irrational number.

This generates prime numbers, but also generates a composite number of prime numbers and irrational numbers.

However, at this time

$$\sqrt{24a + 1} = t$$

Nevertheless, it never happens to generate all the prime numbers.

About half of the prime numbers are generated.

[Discussion]

$$\sqrt{1200a + 1} = t$$

(a =positive integer, t =prime number etc.)

This generates prime numbers, but also generates a composite number of prime numbers and irrational numbers.

It has regularity of prime number prime number.

(prime – number) × (prime – number)

$$\sqrt{1200a + 1} = t$$

However, at this time

$$\sqrt{24a + 1} = t$$

Nevertheless, it never happens to generate all the prime numbers. About half of the prime numbers are generated.

The following

$$\sqrt{1200a + 1} = t$$

, respectively.

(p) is prime-number

2, 19, 33, 134, 168, 253.....are (a).

Display only those whose t is an integer

49, 151, 199, 401, 449.....are (t).

2---49--7*7

19---151--p

33---199--p

134---401--p

168---449--p

253---551--19*29

299---599--p

301---601--p

351---649--11*59

470---751--p

532---799--17*47

835---1001--7*11*13

917---1049--p

1104---1151--p

1198---1199--11*109

1202---1201--p

1300---1249--p

1521---1351--7*193

1631---1399--p

2136---1601--p

2266---1649—17*97
2555---1751—17*103
2697---1799—7*257
2703---1801—p
2849---1849—43*43
3172---1951—p
3330---1999—p
4037---2201—31*71
4215---2249—13*173
4606---2351—p
4796---2399—p
4998---2449—31*79
5423---2551—p
5629---2599—p
6538---2801—p
6764---2849—7*11*37
7257---2951—13*227
7495---2999—p
7505---3001—p
7747---3049—p
8274---3151—23*137
8528---3199—7*457
9639---3401—19*179
9913---3449—p
10508---3551—53*67
10794---3599—59*61
10806---3601—13*277
11096---3649—41*89
11725---3751—11*11*31
12027---3799—29*131
13340---4001—p
13662---4049—p
14359---4151—7*593
14693---4199—13*17*19
14707---4201—p
15045---4249—7*607
15776---4351—19*229
16126---4399—53*83

17641---4601—43*107
18011---4649—p
18810---4751—p
19192---4799—p
19208---4801—p
19594---4849—13*373
20427---4951—p
20825---4999—p
22542---5201—7*743
22960---5249—29*181
23861---5351—p
24291---5399—p
24309---5401—11*491
24743---5449—p
25678---5551—7*13*61
26124---5599—11*509
28043---5801—p
28509---5849—p
29512---5951—11*541
29990---5999—7*857
30010---6001—17*353
30492---6049—23*263
31529---6151—p
32023---6199—p
34144---6401—p
34658---6449—p
35763---6551—p
36289---6599—p
36311---6601—7*23*41
36841---6649—61*109
37980---6751—43*157
38522---6799—13*523
40845---7001—p
41407---7049—7*19*53
42614---7151—p
43188---7199—23*313
43212---7201—19*379
43790---7249—11*659

45031---7351—p
45621---7399—7*7*151
48146---7601—11*691
48756---7649—p
50065---7751—23*337
50687---7799—11*709
50713---7801—29*269
51339---7849—47*167
52682---7951—p
53320---7999—19*421
56047---8201—59*139
56705---8249—73*113
58116---8351—7*1193
58786---8399—37*227
58814---8401—31*271
59488---8449—7*17*71
60933---8551—17*503
61619---8599—p
64548---8801—13*677
65254---8849—p
66767---8951—p
67485---8999—p
67515---9001—p
68237---9049—p
69784---9151—p
70518---9199—p
73649---9401—7*17*79

[Reference]

1) https://en.wikipedia.org/wiki/Prime_number



I am a psychiatrist now and also a doctor of brain surgery before.

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I would like to receive an email. I will not answer the phone.

Currently 56 years old

Born on November 26, 1961

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