

Original article

***Riemann hypothesis
found out counter example
0.5000866+i393939939.37311935***

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Abstract

I believe that proof of Riemann's hypothesis was impossible, began a journey by seeking counter example.

And, I found out.

0.5000866+i393939939.37311935

There is a figure showing that there is a zero point on $x = 0.5$ beyond 393939939.4, but before that (zero at least 393939939.3) there is no zero point on $x = 0.5$.

However, if you do not have a supercomputer, you can not determine exactly whether this is counter example.

I believe that such counterexample exists in countless numbers in the high-value area of the imaginary part.
 Proof can not be done, but in the high price area the number is distorted.

$$\zeta(0.5000866+i393939939.37311935) = -4.474905717661632... \times 10^{-9} - 1.361462936226537... \times 10^{-9} i$$

$$\zeta(0.5000866-i393939939.37311935) \doteq -4.474905717661632... \times 10^{-9} + 1.361462936226537... \times 10^{-9} i$$

$$\zeta(0.4999134+i393939939.37311935) \doteq -4.489768819419765... \times 10^{-9} - 1.337339665656649... \times 10^{-9} i$$

$$\zeta(0.4999134-i393939939.37311935) \doteq -4.489768819419765... \times 10^{-9} + 1.337339665656649... \times 10^{-9} i$$

Discussion

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.505+i393939939.0095}} = 0.138283 + 0.100879 i$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.505+i393939939.5}} = 0.0697247 - 0.067986 i$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.505+i393939939.4}} = (0.0678866 - 0.00693785 i)$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.505+i393939939.38}} = (0.0220836 - 0.00864442 i)$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.501+i393939939.38}} = (0.0199972 + 0.00182999 i)$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.5006+i393939939.38}} = (0.019804 + 0.00292486 i) \text{-----(!)}$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.502+i393939939.38}} = (0.020493 - 0.000868681 i) \text{-----(1)}$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.502+i393939939.37}} = (0.00691384 + 0.00869984 i) \text{-----!!!!!!}$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.502+i393939939.371}} = (0.00412623 + 0.00766024 i)$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.502+i393939939.372}} = (0.00134614 + 0.00667874 i)$$

$$\sum_{n=1}^{\infty} \frac{1}{n^{0.503+i393939939.372}} = (0.000389247 + 0.00942641 i)$$

$\sum_{n=1}^{\infty} \frac{1}{n^{0.5034+i393939939.372}} = (4.18511 \times 10^{-6} + 0.0105096 i)$
 $\sum_{n=1}^{\infty} \frac{1}{n^{0.503405+i393939939.372}} = (6.36326 \times 10^{-7} - 0.0105231 i)$
 $\sum_{n=1}^{\infty} \frac{1}{n^{0.503404+i393939939.372}} = (3.27977 \times 10^{-7} + 0.0105204 i)$
 $\sum_{n=1}^{\infty} \frac{1}{n^{0.5034044+i393939939.372}} = (5.77431 \times 10^{-8} - 0.0105214 i)$
 $\sum_{n=1}^{\infty} \frac{1}{n^{0.50340434+i393939939.372}} = (1.15055 \times 10^{-10} + 0.0105213 i)$
 $\sum_{n=1}^{\infty} \frac{1}{n^{0.5034043401+i393939939.372}} = (1.86248 \times 10^{-11} + 0.0105213 i) \dots$
 $\zeta(0.5034043401+i393939939.3719) = -0.0002529414741250834 \dots - 0.01066974943762809 \dots i$
 $\zeta(0.5034043401+i393939939.371908) = -0.0002314198733360928 \dots - 0.01066182557410478 \dots i$
 $\zeta(0.5034043401+i393939939.371910) = -0.0002260395485068163 \dots - 0.0106598451679783 \dots i$
 $\zeta(0.5034043401+i393939939.3719109) = -0.0002236184121745914 \dots - 0.01065895405826772 \dots i$
 $\zeta(0.5034+i393939939.37199) = -0.00002454681646865426 \dots - 0.01057200872305719 \dots i$
 $\zeta(0.5034+i393939939.371997) = 3.770231500117849 \dots \times 10^{-6} - 0.01056214902180457 \dots i$
 $\zeta(0.5034+i393939939.3719955) = -2.643966712481856 \dots \times 10^{-7} - 0.01056362691188106 \dots i$
 $\zeta(0.5034+i393939939.37199551) = -2.374990931714588 \dots \times 10^{-7} - 0.01056361705886372 \dots i$
 $\zeta(0.5034+i393939939.371995515) = -2.240503044295163 \dots \times 10^{-7} - 0.01056361213235715 \dots i$
 $\zeta(0.5006+i393939939.371995515) = -0.002801545285978314 \dots - 0.00236129900643401 \dots i$
 $\zeta(0.5004+i393939939.37199551) = -0.002931119016410656 \dots - 0.001975570860087909 \dots i$
 $\zeta(0.5004+i393939939.371998) = -0.002923967571396084 \dots - 0.001973233503526409 \dots i$
 $\zeta(0.5004+i393939939.374) = 0.002821256840159076 \dots - 0.000265147657150298 \dots i$

$\zeta(0.5004+i393939939.3742) = 0.003391968501347637... - 0.0001049401397687163... i$
 $\zeta(0.5004+i393939939.37425) = 0.003534571866651424... - 0.00006525589435516757... i$
 $\zeta(0.5004+i393939939.37428) = 0.003620119438639175... - 0.00004151588475100835... i$
 $\zeta(0.5004+i393939939.37432) = 0.003734165946147519... - 9.94480838835431... \times 10^{-6} i$
 $\zeta(0.5004+i393939939.37433) = 0.003762674543329223... - 2.066727450007353... \times 10^{-6} i$
 $\zeta(0.50005+i393939939.37434) = 0.003509152892042144... + 0.001014633301102513... i$
 $\zeta(0.50005+i393939939.3743352) = 0.003495387283624297... + 0.001010816332432225... i$
 $\zeta(0.50005+i393939939.37410) = 0.00282053427986424... + 0.000822115600797689... i$
 $\zeta(0.50005+i393939939.373) = -0.0003249983921567068... - 0.0000982210033784771... i$
 $\zeta(0.50005+i393939939.3732) = 0.000232300970280817... + 0.00006975106072109593... i$
 $\zeta(0.50005+i393939939.3731) = -0.00005583195000313443... - 0.00001681885408125371... i$
 $\zeta(0.50005+i393939939.37312) = 1.803141082579079... \times 10^{-6} + 5.42817819826117... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.373119) = -1.078512761599937... \times 10^{-6} - 3.246993652943797... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.37311905) = -9.34429817430497... \times 10^{-7} - 2.813220900737294... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.37311908) = -8.47980063667352... \times 10^{-7} - 2.552957964874718... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.37311909) = -8.19163481192353... \times 10^{-7} - 2.46620377213281... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.373119095) = -8.04755190355761... \times 10^{-7} - 2.422826698128528... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.373119096) = -8.01873532224234... \times 10^{-7} - 2.414151285128202... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.373119098) = -7.961102159808677... \times 10^{-7} - 2.396800460879593... \times 10^{-7} i$

$\zeta(0.50005+i393939939.3731190981) = -7.958220501712148... \times 10^{-7} - 2.395932919733983... \times 10^{-7} i$
 $\zeta(0.5000+i393939939.3731190981) = -8.2892640371854... \times 10^{-7} - 2.495512225499907... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190982) = -7.955338843638966... \times 10^{-7} - 2.395065378601045... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190983) = -7.952457185506114... \times 10^{-7} - 2.394197837455784... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190984) = -7.949575527396612... \times 10^{-7} - 2.393330296323195... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190985) = -7.946693869335359... \times 10^{-7} - 2.392462755210776... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190986) = -7.943812211197837... \times 10^{-7} - 2.391595214081037... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190987) = -7.940930553050452... \times 10^{-7} - 2.390727672953973... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190988) = -7.938048895009436... \times 10^{-7} - 2.389860131864571... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190989) = -7.935167236941952... \times 10^{-7} - 2.388992590772847... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190990) = -7.932285578740088... \times 10^{-7} - 2.388125049646308... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190991) = -7.929403920727602... \times 10^{-7} - 2.387257508582425... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190992) = -7.926522262605639... \times 10^{-7} - 2.386389967491226... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190993) = -7.923640604498722... \times 10^{-7} - 2.385522426410198... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190994) = -7.92075894641515... \times 10^{-7} - 2.384654885341843... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731190999) = -7.906350655949026... \times 10^{-7} - 2.380317180070173... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731191) = -7.903468997872714... \times 10^{-7} - 2.379449639037858... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.37311912) = -7.327137401511708... \times 10^{-7} - 2.205941551681328... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.37311916) = -6.174474336134299... \times 10^{-7} - 1.858926092416606... \times 10^{-7} i$

$\zeta(0.50005+i393939939.37311919) = -5.309977148604848... \times 10^{-7} - 1.598665124008318... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731191) = -7.903468997872714... \times 10^{-7} - 2.379449639037858... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731192) = -5.021811440583387... \times 10^{-7} - 1.511911587092729... \times 10^{-7} i$
 $\zeta(0.5000+i393939939.3731192) = -5.351537161802141... \times 10^{-7} - 1.611093831291855... \times 10^{-7} i$
 $\zeta(0.50005+i393939939.3731193) = -2.140154944157088... \times 10^{-7} - 6.443794971084555... \times 10^{-8} i$
 $\zeta(0.50005+i393939939.3731194) = 7.415004913970926... \times 10^{-8} + 2.231466309199162... \times 10^{-8} i$
 $\zeta(0.5000+i393939939.3731194) = 4.143612540982332... \times 10^{-8} + 1.24743694790394... \times 10^{-8} i$

$\zeta(0.5000+i393939939.3731191) = -8.23448796176158... \times 10^{-7} - 2.479021541284298... \times 10^{-7} i$
 $\zeta(0.50003+i393939939.3731194) = 0.00001863663109789919... - 0.0000617125494119327... i$
 $\zeta(0.5000868+i393939939.373119405) = 1.544177307421323... \times 10^{-7} + 4.647321867357151... \times 10^{-8} i$
 $\zeta(0.5000+i393939939.373119405) = 5.585086601075818... \times 10^{-8} + 1.681393272570002... \times 10^{-8} i$
 $\zeta(0.5000868+i393939939.3731194064) = 1.58450716330002... \times 10^{-7} + 4.768734894415848... \times 10^{-8} i$
 $\zeta(0.500087+i393939939.3731194067) = 1.597695807766347... \times 10^{-7} + 4.808436032402518... \times 10^{-8} i$

$\zeta(0.5001+i99939399426.575765) = -0.00130782 - 0.0125312 i$
 $\zeta(0.5001+i99939399426.575865) = -0.001183 - 0.011715 i$
 $\zeta(0.5001+i99939399426.57605) = -0.000959642 - 0.0102833 i$
 $\zeta(0.5002+i99939399426.57605) = -0.000138366 - 0.0104137 i$
 $\zeta(0.50015+i99939399426.576050) = -0.000548784 - 0.0103486 i$

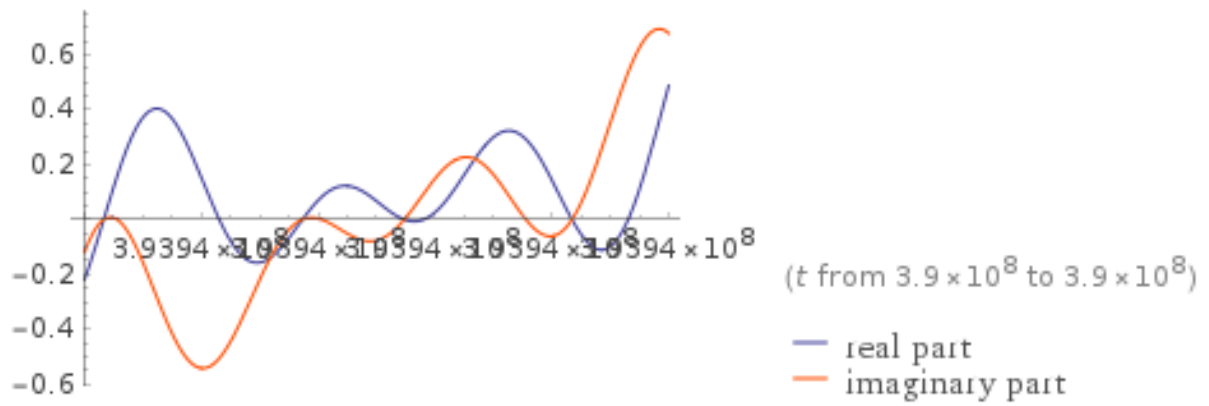
$\zeta(0.5000866+i393939939.373119408) = 1.626062415300763... \times 10^{-7} + 4.893840236894618... \times 10^{-8} i$

$\zeta(0.5000866+i393939939.373119407)= 1.597255323945046... \times 10^{-7} + 4.807116500980099... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.373119405)= 1.539641140962111... \times 10^{-7} + 4.633669011411552... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.373119404)= 1.5108340492768... \times 10^{-7} + 4.546945257582635... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.373119403)= 1.482026957589513... \times 10^{-7} + 4.460221498107043... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.373119401)= 1.424412773711066... \times 10^{-7} + 4.286773960716797... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.37311940)= 1.395605681627794... \times 10^{-7} + 4.200050183126934... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.37311939)= 1.107534755117699... \times 10^{-7} + 3.33281207989693... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.37311938)= 8.19463817953155... \times 10^{-8} + 2.465573380519573... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.37311937)= 5.313928701507688... \times 10^{-8} + 1.598334085044785... \times 10^{-8} i$
 $\zeta(0.5000866+i393939939.37311936)= 2.433219118101377... \times 10^{-8} + 7.310941937723236... \times 10^{-9} i$
 $\zeta(0.5000866+i393939939.37311934)= -3.32820036792886... \times 10^{-8} - 1.003387377090228... \times 10^{-8} i$

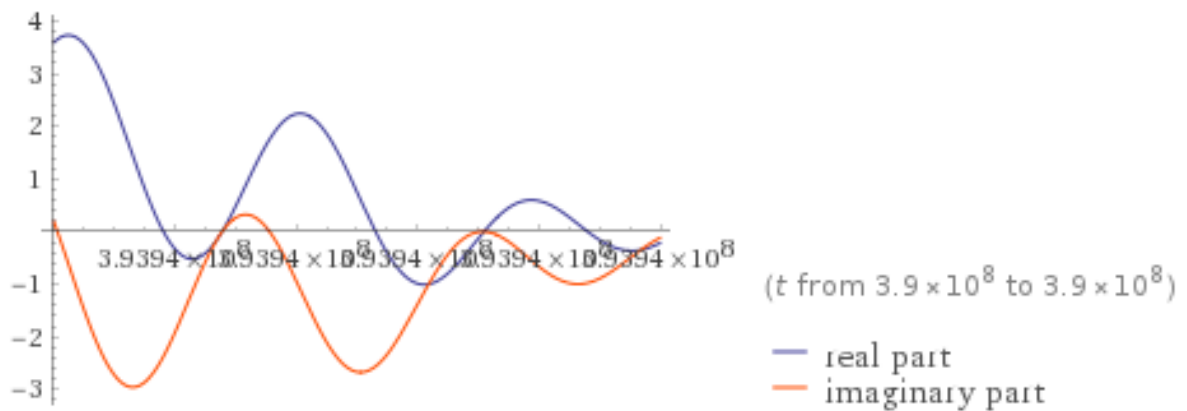
$\zeta(0.5000866+i393939939.37311935)= -$
 $4.474905717661632... \times 10^{-9} - 1.361462936226537... \times 10^{-9} i$

$\zeta(0.5000+i393939939.37311935)= -$
 $1.027112951827064... \times 10^{-7} - 3.092134499804484... \times 10^{-8} i$

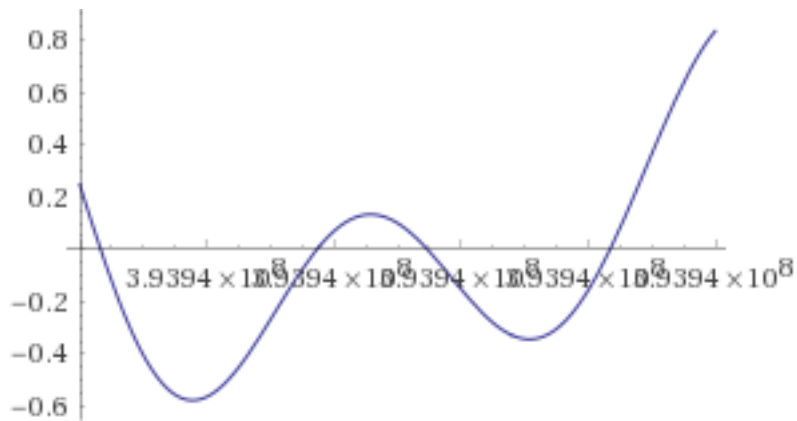
`plot[{{zeta[1/2+it]}}, {t, 393939939, 393939940}`



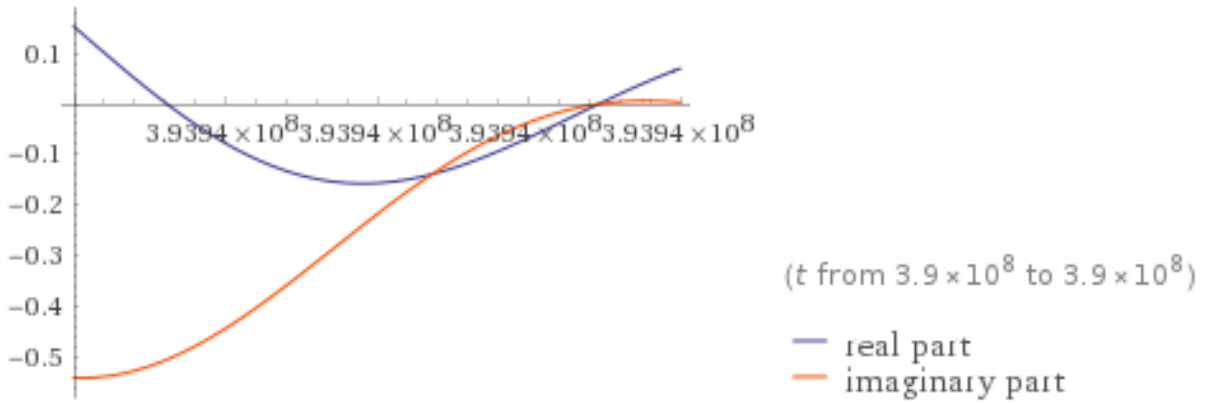
```
plot[{{zeta[1/2+it]}}, {t, 393939938, 393939939}]
```



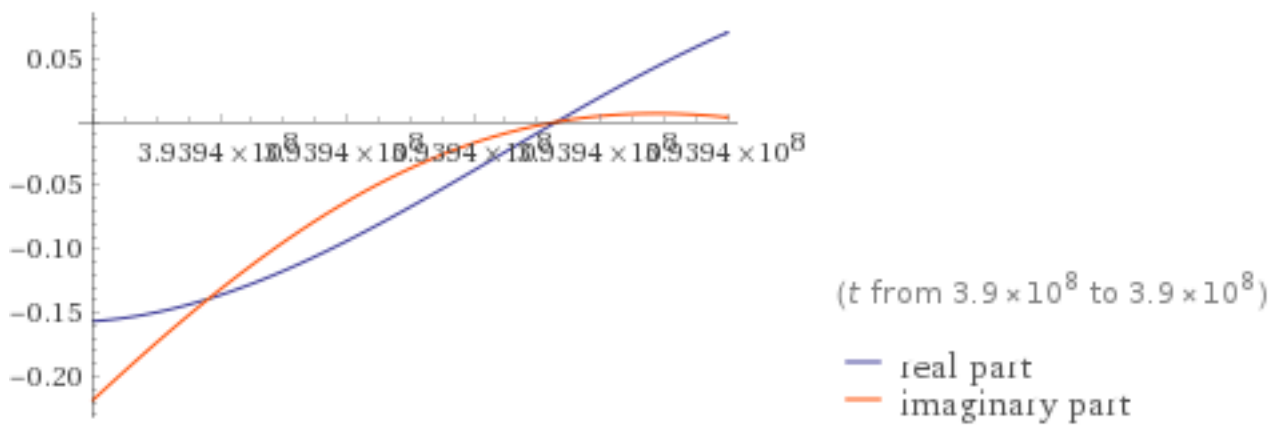
```
plot[riemannSiegelZ[t], {t, 393939939, 393939940}]
```



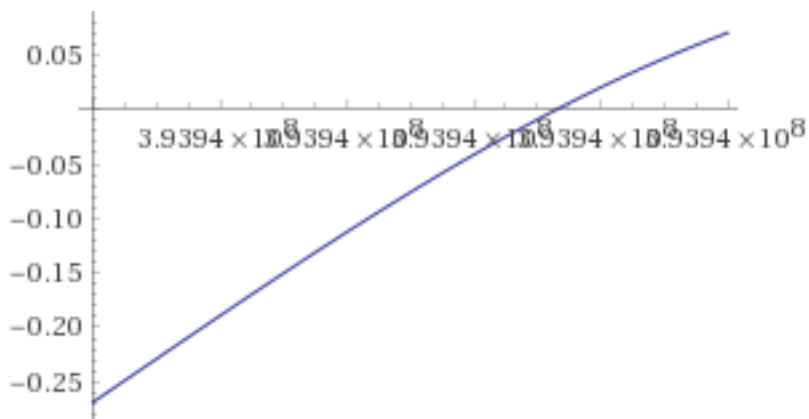
```
plot[{{zeta[1/2+it]}}, {t, 393939939.2, 393939939.4}]
```

```
plot[{{zeta[1/2+it]}}, {t, 393939939.3, 393939939.4}]
```



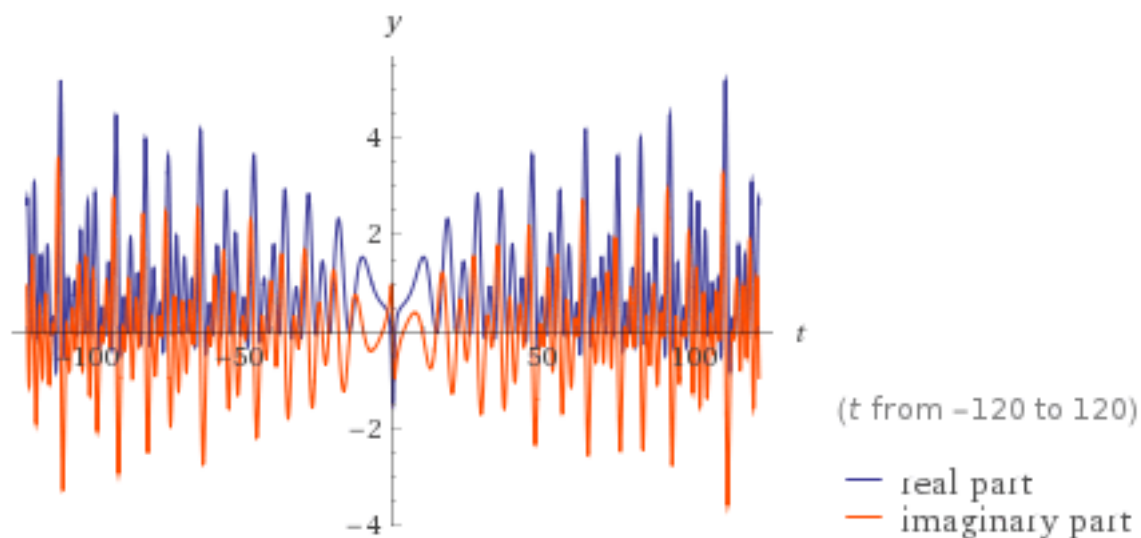
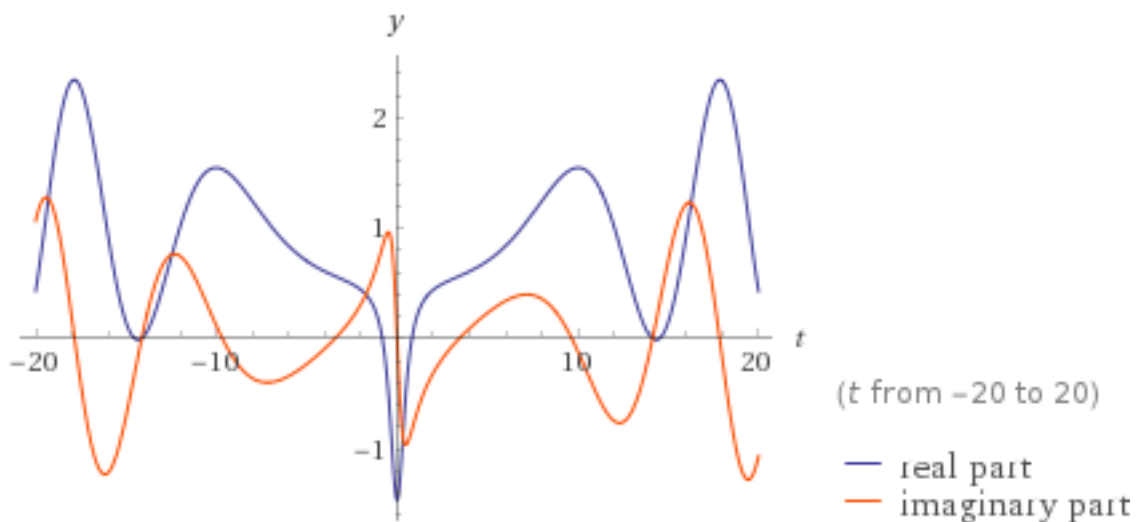
```
plot[riemannSiegelZ[t], {t, 393939939.3, 393939939.4}]
```



There is a figure showing that there is a zero point on $x = 0.5$ beyond 393939939.4 , but before that (zero at least 393939939.3) there is no zero point on $x = 0.5$.

However, if you do not have a supercomputer, you can not determine exactly whether this is counter example.

```
plot[zeta[0.5+it]], {t, i393939939.373, i393939939.374}
```



$\zeta(0.5000866+i393939939.37311935)$
 $\zeta(0.5000866-i393939939.37311935) \doteq -4.474905717661632... \times 10^{-9} + 1.361462936226537... \times 10^{-9} i$
 $\zeta(0.4999134+i393939939.37311935) \doteq -4.489768819419765... \times 10^{-9} - 1.337339665656649... \times 10^{-9} i$
 $\zeta(0.4999134-i393939939.37311935) \doteq -4.489768819419765... \times 10^{-9} + 1.337339665656649... \times 10^{-9} i$

References

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

postscript

Currently, due to a cold, I am absent from work and may be a mistake due to high fever.



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





(home)

mmm82889@yahoo.co.jp

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

Currently 57 years old

Born on November 26, 1961

(I am very poor of English. Almost all document are google-translation.)

When converted to English by Google translation, it becomes cryptic to me.

But, I read letter by google translation.

In my case, if you translate it into English by google translation, I do not know what is written in my paper. For me, foreign languages such as English (actually not good at Japanese) is a demon.

As soon as it is translated into English, it turns into a cipher for me.

