

# ***Original article***

## ***ζ star people's speech***

Riemann hypothesis

## ***Counterexample***

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### ***Abstract***

I had a dream. There was a ζ star.

It is in 7005 to 7006.5

I just told him to disappear.

I soon noticed that this was counter example.

Write before I die. Write in a hurry.

plot [{"re [zeta [0.5002 + i t]], im [zeta [0.5002 + i t]]}, {t, 7005.0, 7005.1}]

I want you to see. It was a counter example.

Perhaps I did not try to ascertain the 73 counterexamples that I showed, so it seems that the ζ star showed me.

***$zeta(0.5006 + 7005.06134015327676558264694240626505583787 i) = 1.99722... \times 10^{-40} - 0.000704980... i$***

However, this value was examined up to the minus 40th power in the real part, but it was judged that the imaginary part did not decrease and it can not be said to be zero point and counter example.

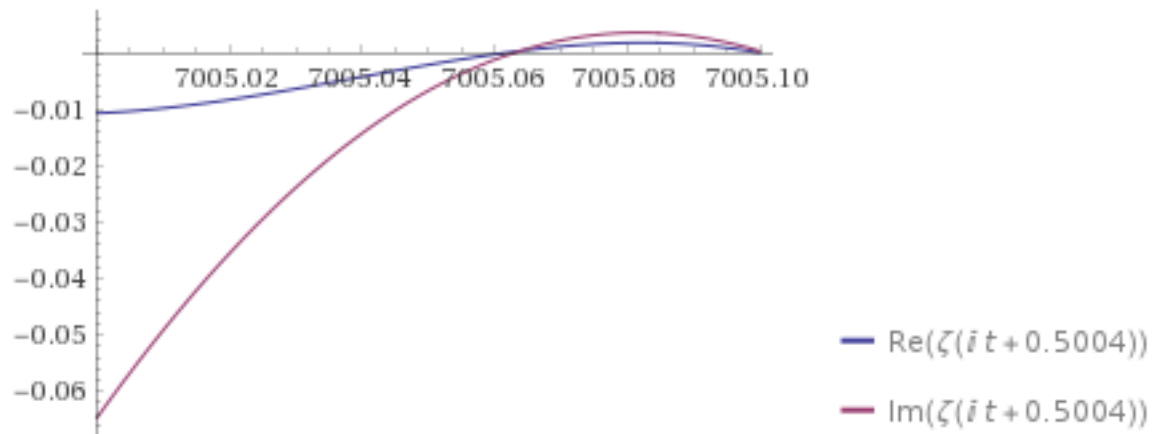
## ***Introduction***

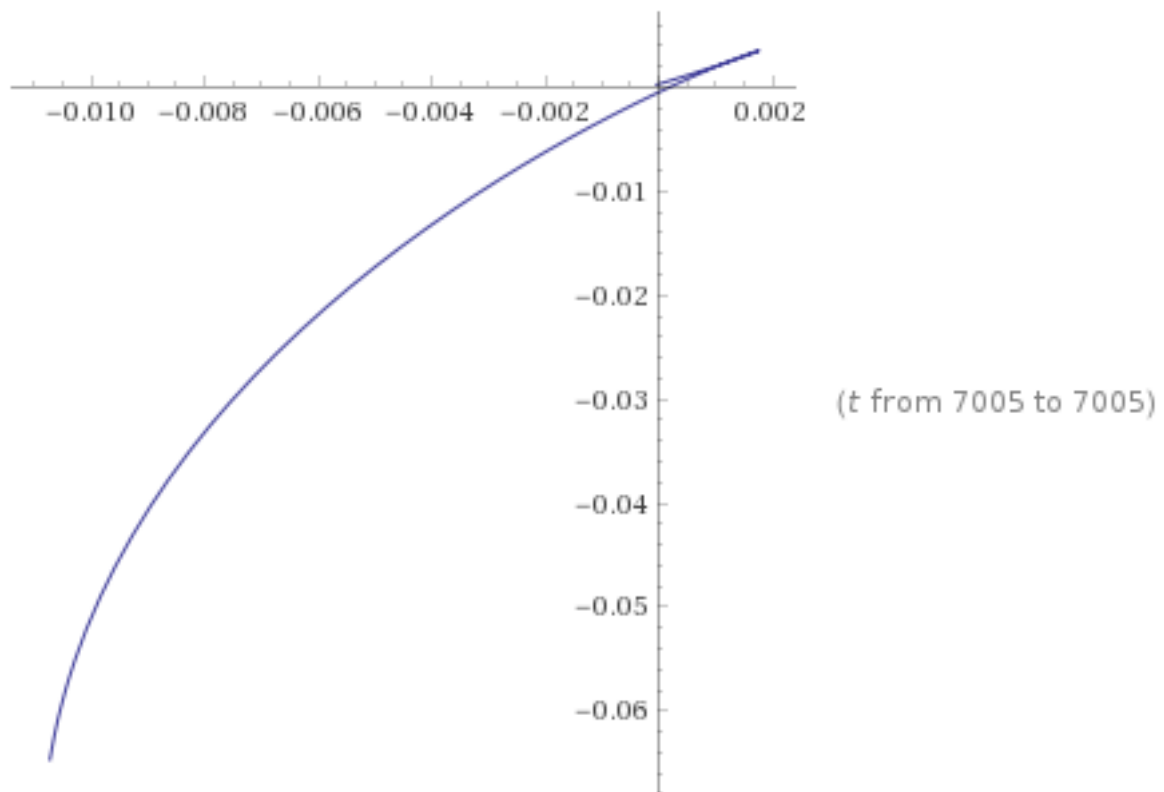
$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s} \quad (1)$$

$$\zeta(s) = \frac{2^s}{2^s - 1} \frac{3^s}{3^s - 1} \frac{5^s}{5^s - 1} \frac{7^s}{7^s - 1} \cdots \quad (2)$$

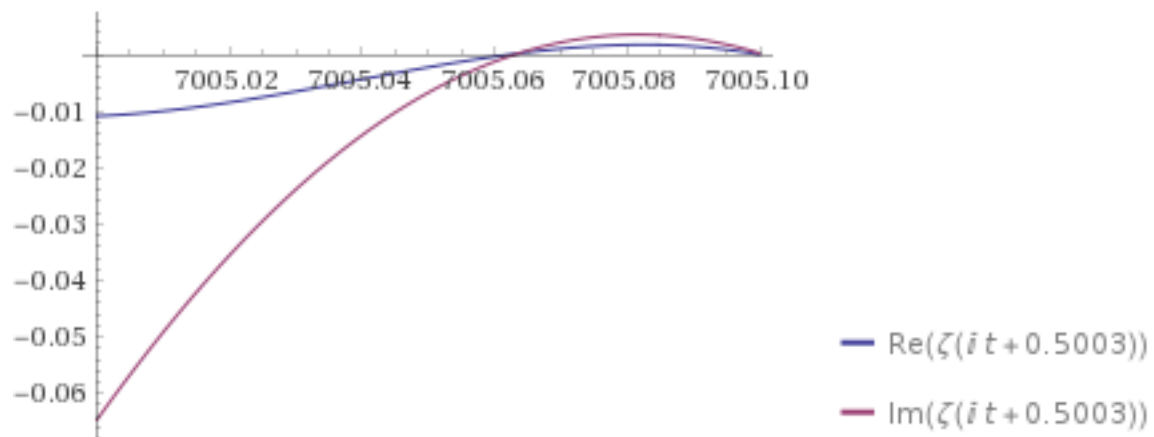
## ***Discussion***

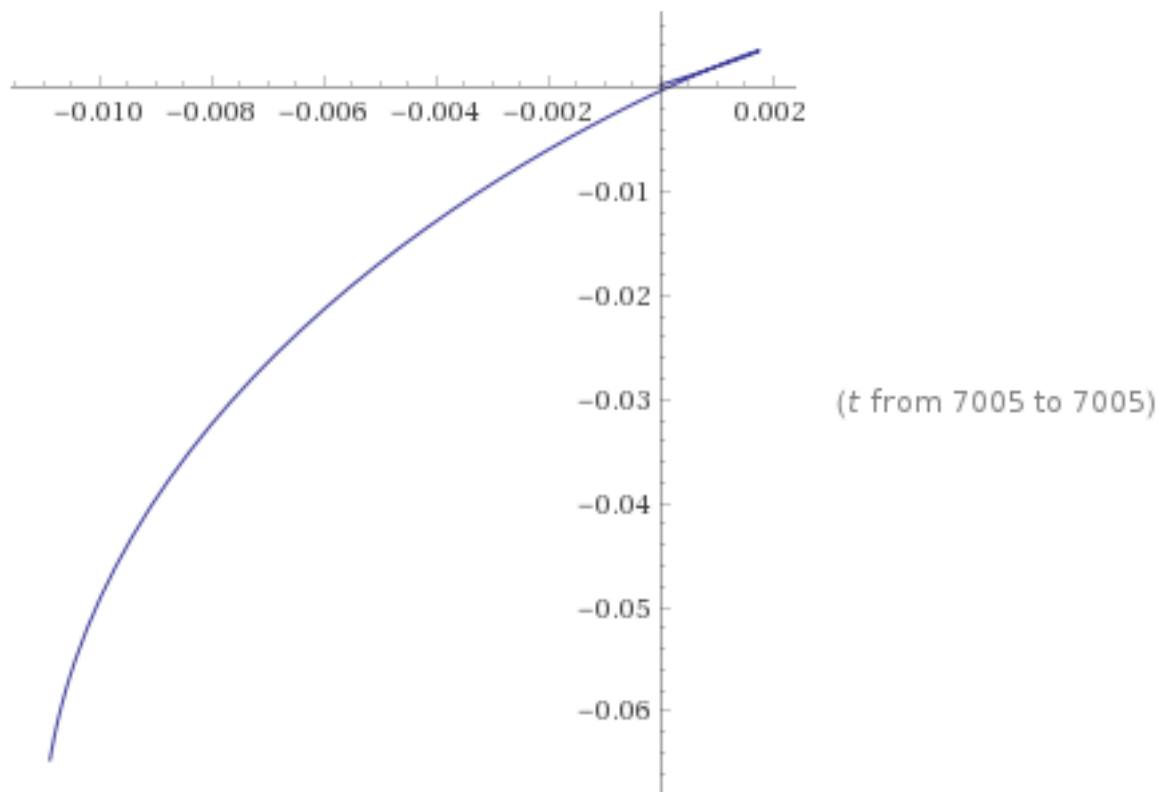
plot[ {re[zeta[0.5004+i t ]], im[ zeta[0.5004+i t ]]}, {t, 7005.0, 7005.1} ]





plot[ {re[zeta[0.5003+i t ] ], im[ zeta[0.5003+i t ] ]}, {t, 7005.0, 7005.1} ]





$$\zeta(0.5004+i7005.06302826624)= 0.000177936... + 1.07027... \times 10^{-12} i$$

$$\zeta(0.50033410579775+i7005.10)= 2.366248287535642... \times 10^{-15} + 0.0002755594054352542... i$$

$$\zeta(0.50062354 + 7005.050i) = -0.002017592948226541... - 0.0067758... i$$

$$\zeta(0.50062354 + 7005.060i) = -0.0002019260035955906... - 0.001286... i$$

$$\zeta(0.50062354 + 7005.061i) = -0.00004306587225496816... - 0.0008518... i$$

$$\zeta(0.50062354 + 7005.0612 i) = -0.0000118935735.. - 0.0007673596. i$$

$$\zeta(0.50062354 + 7005.06125 i) = -4.1323423. \times 10^{-6} - 0.000746359. i$$

$$\zeta(0.50062354 + 7005.06128 i) = 5.182563165417702... \times 10^{-7} - 0.0007337845681184320... i$$

$$\zeta(0.50062354 + 7005.0613 i) = 3.616093162236140... \times 10^{-6} - 0.0007... i$$

$$\zeta(0.50062354 + 7005.0615i) = 0.00003448129442328359... - 0.000642.. i$$

$$\zeta(0.50062354 + 7005.062i) = 0.0001107343001612452... - 0.0004375.. i$$

$$\zeta(0.50062354 + 7005.070i) = 0.001130944277459202... + 0.002135.. i$$

$$\zeta(0.50062354 + 7005.080i) = 0.001747415134318149... + 0.003514.. i$$

$$\zeta(0.50062354 + 7005.081i) = 0.00176065751.. + 0.003541.. i$$

$$\zeta(0.50062354 + 7005.08185555i) = 0.00176427... + 0.00354865... i$$

zeta(0.5006 + 7005.051i) = -0.001835804668896677... - 0.00612903495... i  
zeta(0.5006 + 7005.0610i) = -0.00005306069060046221... - 0.0008481.. i  
zeta(0.5006 + 7005.0612i) = -0.00002179107.. - 0.000763.. i  
zeta(0.5006 + 7005.0613i) = -6.232752.. × 10<sup>-6</sup> - 0.000721.. i  
zeta(0.5006 + 7005.06133i) = -1.57525019.. × 10<sup>-6</sup> - 0.0007092.. i  
zeta(0.5006 + 7005.0613400 i) = -2.3776488... × 10<sup>-8</sup> - 0.00070504424... i  
zeta(0.5006 + 7005.0613401 i) = -8.26435... × 10<sup>-9</sup> - 0.000705002... i  
zeta(0.5006 + 7005.061340150 i) = -5.08295... × 10<sup>-10</sup> - 0.000704982... i  
zeta(0.5006 + 7005.0613401530 i) = -4.29321... × 10<sup>-11</sup> - 0.000704980... i  
zeta(0.5006 + 7005.0613401532 i) = -1.19079... × 10<sup>-11</sup> - 0.000704980... i  
zeta(0.5006 + 7005.06134015323 i) = -7.25432... × 10<sup>-12</sup> - 0.000704980... i  
zeta(0.5006 + 7005.06134015326 i) = -2.60069... × 10<sup>-12</sup> - 0.000704980... i  
zeta(0.5006 + 7005.06134015327 i) = -1.04948... × 10<sup>-12</sup> - 0.000704980... i  
zeta(0.5006 + 7005.061340153273 i) = -5.84121... × 10<sup>-13</sup> - 0.000704980... i  
zeta(0.5006 + 7005.061340153276 i) = -1.18758... × 10<sup>-13</sup> - 0.000704980... i  
zeta(0.5006 + 7005.0613401532767 i) = -1.01732... × 10<sup>-14</sup> - 0.000704980... i  
zeta(0.5006 + 7005.06134015327675 i) = -2.41719... × 10<sup>-15</sup> - 0.000704980... i  
zeta(0.5006 + 7005.061340153276760 i) = -8.65985... × 10<sup>-16</sup> - 0.000704980... i  
zeta(0.5006 + 7005.061340153276764 i) = -2.45502... × 10<sup>-16</sup> - 0.000704980... i  
zeta(0.5006 + 7005.061340153276765 i) = -9.03807... × 10<sup>-17</sup> - 0.000704980... i  
zeta(0.5006 + 7005.0613401532767655 i) = -1.28203... × 10<sup>-17</sup> - 0.000704980... i  
zeta(0.5006 + 7005.06134015327676556 i) = -3.51301... × 10<sup>-18</sup> - 0.000704980... i  
zeta(0.5006 + 7005.061340153276765580 i) = -4.10596... × 10<sup>-19</sup> - 0.000704... i  
zeta(0.5006 + 7005.061340153276765582 i) = -1.00354... × 10<sup>-19</sup> - 0.00070... i  
zeta(0.5006 + 7005.0613401532767655825 i) = -2.27938... × 10<sup>-20</sup> - 0.00070. i  
zeta(0.5006 + 7005.0613401532767655826 i) = -7.28175... × 10<sup>-21</sup> - 0.0007049... i  
zeta(0.5006 + 7005.06134015327676558263 i) = -2.62812... × 10<sup>-21</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.06134015327676558264 i) = -1.07691... × 10<sup>-21</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582645 i) = -3.01308... × 10<sup>-22</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646 i) = -1.46187... × 10<sup>-22</sup> -  
0.000704980... i

zeta(0.5006 + 7005.0613401532767655826465 i)= -6.86265... × 10<sup>-23</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.0613401532767655826467 i)= -3.76023... × 10<sup>-23</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.0613401532767655826469 i)= -6.57810... × 10<sup>-24</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646940 i)= -3.73262... × 10<sup>-25</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646942 i)= -6.30202... × 10<sup>-26</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.06134015327676558264694240 i)= -9.71841... × 10<sup>-28</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646942405 i)= -1.96237... × 10<sup>-28</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646942406 i)= -4.11157... × 10<sup>-29</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.0613401532767655826469424062 i)= -1.00915... × 10<sup>-29</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.06134015327676558264694240625 i)= -2.33547... × 10<sup>-30</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.06134015327676558264694240626 i)= -7.84266... × 10<sup>-31</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.0613401532767655826469424062650 i)= -8.66162... × 10<sup>-33</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646942406265050 i)= -9.05575... × 10<sup>-34</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646942406265053 i)= -4.40213... × 10<sup>-34</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.061340153276765582646942406265055 i)= -1.29971... × 10<sup>-34</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.0613401532767655826469424062650555 i)= -5.24105... × 10<sup>-35</sup> -  
0.000704980... i  
zeta(0.5006 + 7005.06134015327676558264694240626505580 i)= -5.87423... ×  
10<sup>-36</sup> - 0.000704980... i  
zeta(0.5006 + 7005.06134015327676558264694240626505582 i)= -2.77181... ×  
10<sup>-36</sup> - 0.000704980... i  
zeta(0.5006 + 7005.06134015327676558264694240626505583 i)= -1.22060... ×  
10<sup>-36</sup> - 0.000704980... i

$$\zeta(0.5006 + 7005.061340153276765582646942406265055835 i) = -4.44997... \times 10^{-37} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.061340153276765582646942406265055836 i) = -2.89876... \times 10^{-37} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.061340153276765582646942406265055837 i) = -1.34755... \times 10^{-37} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.0613401532767655826469424062650558375 i) = -5.71950... \times 10^{-38} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.0613401532767655826469424062650558378 i) = -1.06587... \times 10^{-38} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626505583785 i) = -2.90270... \times 10^{-39} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626505583786 i) = -1.35149... \times 10^{-39} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626505583787 i) = 1.99722... \times 10^{-40} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626505583790 i) = 4.85335... \times 10^{-39} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.0613401532767655826469424062650558380 i) = 2.03654... \times 10^{-38} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626505584 i) = 3.30607... \times 10^{-37} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626505585 i) = 1.88182... \times 10^{-36} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.0613401532767655826469424062650559 i) = 9.63786... \times 10^{-36} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.0613401532767655826469424062650560 i) = 2.51499... \times 10^{-35} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.061340153276765582646942406265060 i) = 6.45634... \times 10^{-34} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626508 i) = 3.74805... \times 10^{-33} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.06134015327676558264694240626510 i) = 6.85047... \times 10^{-33} - 0.000704980... i$$

$$\zeta(0.5006 + 7005.0613401532767655826469424062652 i) = 2.23626... \times 10^{-32} - 0.000704980... i$$

$\zeta(0.5006 + 7005.061340153276765582646942406266 i) = 1.46459... \times 10^{-31} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582646942406268 i) = 4.56701... \times 10^{-31} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582646942406270 i) = 7.66943... \times 10^{-31} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327676558264694240630 i) = 5.42057... \times 10^{-30} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582646942407 i) = 1.14005... \times 10^{-28} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582646942410 i) = 5.79368... \times 10^{-28} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327676558264694242 i) = 2.13058... \times 10^{-27} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327676558264694245 i) = 6.78420... \times 10^{-27} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.0613401532767655826469425 i) = 1.45402... \times 10^{-26} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582646943 i) = 9.21007... \times 10^{-26} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582646944 i) = 2.47222... \times 10^{-25} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582646945 i) = 4.02342... \times 10^{-25} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327676558264695 i) = 1.17795... \times 10^{-24} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.0613401532767655826470 i) = 8.93399... \times 10^{-24} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276765582648 i) = 1.64055... \times 10^{-22} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327676558265 i) = 4.74297... \times 10^{-22} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.0613401532767655827 i) = 8.23034... \times 10^{-21} - 0.000704980 i$   
 $\zeta(0.5006 + 7005.0613401532767655830 i) = 5.47666... \times 10^{-20} - 0.000704.. i$   
 $\zeta(0.5006 + 7005.061340153276765585 i) = 3.65008... \times 10^{-19} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327676559 i) = 1.14061... \times 10^{-18} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327676560 i) = 2.69182... \times 10^{-18} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153276766 i) = 6.47402... \times 10^{-17} - 0.000704980... i$



$\zeta(0.5006 + 7005.061340153276767 i) = 2.19861... \times 10^{-16} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327677 i) = 6.85224... \times 10^{-16} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327678 i) = 2.23643... \times 10^{-15} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.06134015327680 i) = 5.33885... \times 10^{-15} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153277 i) = 3.63630... \times 10^{-14} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153278 i) = 1.91484... \times 10^{-13} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340153280 i) = 5.01726... \times 10^{-13} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.0613401533 i) = 3.60414... \times 10^{-12} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.0613401535 i) = 3.46283... \times 10^{-11} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340154 i) = 1.12189... \times 10^{-10} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340155 i) = 2.67310... \times 10^{-10} - 0.000704980... i$   
 $\zeta(0.5006 + 7005.061340156 i) = 4.22431... \times 10^{-10} - 0.000704979... i$   
 $\zeta(0.5006 + 7005.06134016 i) = 1.04291... \times 10^{-9} - 0.000704977... i$   
 $\zeta(0.5006 + 7005.06134017 i) = 2.59412... \times 10^{-9} - 0.000704973... i$   
 $\zeta(0.5006 + 7005.06134020 i) = 7.24774... \times 10^{-9} - 0.000704961... i$   
 $\zeta(0.5006 + 7005.0613405 i) = 5.37837... \times 10^{-8} - 0.000704835... i$   
 $\zeta(0.5006 + 7005.061341 i) = 1.31343... \times 10^{-7} - 0.000704627... i$   
 $\zeta(0.5006 + 7005.061342 i) = 2.86457... \times 10^{-7} - 0.000704209... i$   
 $\zeta(0.5006 + 7005.061345 i) = 7.51768... \times 10^{-7} - 0.000702957... i$   
 $\zeta(0.5006 + 7005.06135i) = 1.52718324.. \times 10^{-6} - 0.00070087... i$   
 $\zeta(0.5006 + 7005.0614i) = 9.274264222485993... \times 10^{-6} - 0.0006.. i$   
 $\zeta(0.5006 + 7005.0615i) = 0.00002472974433... - 0.000638508.. i$   
 $\zeta(0.5006 + 7005.062i) = 0.0001012259201197539... - 0.00043399.. i$   
 $\zeta(0.5006 + 7005.063i) = 0.0002502187360485442... - 0.000040459.. i$   
 $\zeta(0.5006 + 7005.065i) = 0.0005313885050007400... + 0.00068471. i$   
 $\zeta(0.5006 + 7005.071i) = 0.001223534282279946... + 0.002366784257293635... i$   
 $\zeta(0.5006 + 7005.081i) = 0.001760258783327530... + 0.00354150... i$

7005.0----7005.1---7005.06---7005.10

$\zeta(0.5+i7005.06) = -0.0004786654355154348... - 0.001182246360096180... i$   
 $\zeta(0.5+i7005.10) = 0.0001190074866161391... + 0.0002054451834627562... i$

$\zeta(0.51+i7005.079) = 0.002660181627336504... + 0.004060742267106126... i$   
 $\zeta(0.51+i7005.08) = 0.002505030115375599... + 0.004193491689790337... i$

$\zeta(0.505+i7005.079) = 0.002062491978604295... + 0.003536189780557845... i$   
 $\zeta(0.505+i7005.080) = 0.001999749365186222... + 0.003623810249880501... i$

$\zeta(0.503+i7005.079) = 0.001886361437047363... + 0.003458246043884112... i$   
 $\zeta(0.503+i7005.080) = 0.001862141514928562... + 0.003527451225973755... i$

$\zeta(0.502+i7005.060) = 0.0004156132237470183... - 0.001489407789995131... i$   
 $\zeta(0.502+i7005.061) = 0.0005462320384059847... - 0.001047631852261781... i$

$\zeta(0.5005+i7005.061) = -0.00009548830203027788... - 0.00083240025... i$   
 $\zeta(0.5005+i7005.062) = 0.00006086618402941645... - 0.00041872381.. i$

$\zeta(0.501+i7005.060) = -0.00003393684581119454... - 0.001346125565232125... i$   
 $\zeta(0.501+i7005.0605) = 0.00004222661003942131... - 0.001125129... i$   
 $\zeta(0.501+i7005.061) = 0.0001171556296874754... - 0.0009092799698328986... i$   
 $\zeta(0.501+i7005.062) = 0.0002631940659740126... - 0.000493016263147... i$   
 $\zeta(0.501+i7005.065) = 0.0006686577982197586... + 0.00063246083731... i$   
 $\zeta(0.501+i7005.070) = 0.001221613013144199... + 0.002098570857975629... i$   
 $\zeta(0.501+i7005.074) = 0.001536652945891295... + 0.002904842023505584... i$   
 $\zeta(0.501+i7005.078) = 0.001722347802317990... + 0.003387807480624.. i$   
 $\zeta(0.501+i7005.079) = 0.001746813650838063... + 0.003458363542349632... i$   
 $\zeta(0.501+i7005.080) = 0.001762030769518138... + 0.003508943837719363... i$

$\zeta(0.5007+i7005.061) = -0.00001058247600502163... - 0.00086377146293.. i$   
 $\zeta(0.5007+i7005.062) = 0.0001416385940522358... - 0.0004490596151202404... i$

$\zeta(0.5006+i7005.062) = 0.0001012259201197539... - 0.0004339950055076889... i$   
 $\zeta(0.5006+i7005.063) = 0.0002502187360485442... - 0.000040459180195... i$

$\zeta(0.5005+i7005.065)= 0.0004972209945472920\dots + 0.000698291560\dots i$   
 $\zeta(0.5005+i7005.0631)= 0.0002267307443944987\dots + 0.000012433\dots i$   
 $\zeta(0.5005+i7005.06306)= 0.0002208151399655836\dots - 2.80673769. \times 10^{-6} i$   
 $\zeta(0.5005+i7005.06305)= 0.0002193348524299282\dots - 6.62197166.. \times 10^{-6} i$   
 $\zeta(0.5005+i7005.063)= 0.0002119251078738845\dots - 0.00002572913535516.. i$

$\zeta(0.5004+i7005.06)= -0.0003013534572522738\dots - 0.001250284576254413\dots i$   
 $\zeta(0.5003+i7005.06)= -0.0003457539319157265\dots - 0.001233586656572289\dots i$   
 $\zeta(0.5003+i7005.061)= -0.0001801916526565993\dots - 0.00080020.. i$   
 $\zeta(0.5003+i7005.062)= -0.00001969440394134217\dots - 0.000387.. i$   
 $\zeta(0.5003+i7005.0621)= -3.932266019525295\dots \times 10^{-6} - 0.00034\dots i$   
 $\zeta(0.5003+i7005.0622)= 0.00001177664693772128\dots - 0.0003075206486224306\dots i$   
 $\zeta(0.5003+i7005.0623)= 0.00002743210078183933\dots - 0.00026781.. i$   
 $\zeta(0.5003+i7005.063)= 0.0001355037514914718\dots + 4.351086.. \times 10^{-6} i$   
 $\zeta(0.5003+i7005.064)= 0.0002851686244583315\dots + 0.000375552.. i$

$\zeta(0.5002+i7005.06)= -0.0003901060956160963\dots - 0.001216681136648800\dots i$   
 $\zeta(0.5002+i7005.062)= -0.00005989522051153003\dots - 0.00037166.. i$   
 $\zeta(0.5002+i7005.0623)= -0.00001214658324402403\dots - 0.00025207\dots i$   
 $\zeta(0.5002+i7005.06235)= -4.235303716211016\dots \times 10^{-6} - 0.00023\dots i$   
 $\zeta(0.5002+i7005.06237)= -1.074558272909040\dots \times 10^{-6} - 0.000224.. i$   
 $\zeta(0.5002+i7005.06238)= 5.050064324330034\dots \times 10^{-7} - 0.0002205\dots i$   
 $\zeta(0.5002+i7005.06240)= 3.662518638621948\dots \times 10^{-6} - 0.0002126\dots i$   
 $\zeta(0.5002+i7005.0625)= 0.00001941767464087094\dots - 0.000173390\dots i$   
 $\zeta(0.5002+i7005.063)= 0.00009737606257650280\dots + 0.000019701.. i$   
 $\zeta(0.5002+i7005.064)= 0.0002491121002043822\dots + 0.0003903384887\dots i$

$\zeta(0.5002+i7005.06240)=$

$\zeta(0.5004+i7005.065)= 0.0004631134565429835\dots + 0.0007120753688938595\dots i$   
 $\zeta(0.5004+i7005.064)= 0.0003212828244595978\dots + 0.00036097438258045\dots i$   
 $\zeta(0.5004+i7005.0631)= 0.0001886991494416622\dots + 0.0000273147936.. i$   
 $\zeta(0.5004+i7005.06305)= 0.0001811998900542831\dots + 8.287024.. \times 10^{-6} i$

$$\zeta(0.5004+i7005.06303)= 0.0001781963045527322... + 6.61437715.. \times 10^{-7} i$$

$$\zeta(0.5004+i7005.063029)= 0.000178046... + 2.79941... \times 10^{-7} i$$

$$\zeta(0.5004+i7005.0630285)= 0.000177971... + 8.91851... \times 10^{-8} i$$

$$\zeta(0.5004+i7005.0630283)= 0.000177941... + 1.28812... \times 10^{-8} i$$

$$\zeta(0.5004+i7005.06302828)= 0.000177938... + 5.25081... \times 10^{-9} i$$

$$\zeta(0.5004+i7005.06302827)= 0.000177936... + 1.43559... \times 10^{-9} i$$

$$\zeta(0.5004+i7005.063028267)= 0.000177936... + 2.91027... \times 10^{-10} i$$

$$\zeta(0.5004+i7005.0630282665)= 0.000177936... + 1.00266... \times 10^{-10} i$$

$$\zeta(0.5004+i7005.0630282663)= 0.000177936... + 2.39616... \times 10^{-11} i$$

$$\zeta(0.5004+i7005.06302826625)= 0.000177936... + 4.88549... \times 10^{-12} i$$

$$\zeta(0.5004+i7005.06302826624)= 0.000177936... + 1.07027... \times 10^{-12} i$$

$$\zeta(0.5004+i7005.06302826623)= 0.000177936... - 2.74495... \times 10^{-12} i$$

$$\zeta(0.5004+i7005.0630282662)= 0.000177936... - 1.41906... \times 10^{-11} i$$

$$\zeta(0.5004+i7005.063028266)= 0.000177936... - 9.04950... \times 10^{-11} i$$

$$\zeta(0.5004+i7005.063028264)= 0.000177935... - 8.53539... \times 10^{-10} i$$

$$\zeta(0.5004+i7005.06302826)= 0.000177935... - 2.37963... \times 10^{-9} i$$

$$\zeta(0.5004+i7005.06302823)= 0.000177930... - 1.38253... \times 10^{-8} i$$

$$\zeta(0.5004+i7005.0630282)= 0.000177926... - 2.52710... \times 10^{-8} i$$

$$\zeta(0.5004+i7005.063028)= 0.000177896... - 1.01576... \times 10^{-7} i$$

$$\zeta(0.5004+i7005.06302)= 0.0001766936809353332... - 3.154458827274451... \times 10^{-6} i$$

$$\zeta(0.5004+i7005.063)= 0.0001736867731375480... - 0.000010792457813922... i$$

$$\zeta(0.5005+i7005.10)= -0.00005850426601920074... + 0.0003111452386... i$$

$$\zeta(0.50045+i7005.10)= -0.00004091221082624106... +$$

$$0.0003003659534852814... i$$

$$\zeta(0.50043+i7005.10)= -0.00003386549739028746... +$$

$$0.0002960672384300060... i$$

$$\zeta(0.5004+i7005.10)= -0.00002328482699956963... + 0.000289633099039...i$$

$$\zeta(0.50035+i7005.10)= -5.622102776061446... \times 10^{-6} +$$

$$0.0002789467037341912... i$$

$$\zeta(0.50034+i7005.10)= -2.085316048378709... \times 10^{-6} +$$

$$0.0002768150022729181... i$$

$$\zeta(0.5003350+i7005.10)= -3.163923726782771... \times 10^{-7} +$$

$$0.0002757498489271742... i$$

$\zeta(0.5003345+i7005.10) = -1.394805596712479... \times 10^{-7} + 0.0002756433591649963... i$   
 $\zeta(0.5003343+i7005.10) = -6.871484450639537... \times 10^{-8} + 0.0002756007645620229... i$   
 $\zeta(0.5003342+i7005.10) = -3.333177478886952... \times 10^{-8} + 0.0002755794675395152... i$   
 $\zeta(0.50033415+i7005.10) = -1.564018689629049... \times 10^{-8} + 0.0002755688190980062... i$   
 $\zeta(0.50033412+i7005.10) = -5.025217189915153... \times 10^{-9} + 0.0002755624300554191... i$   
 $\zeta(0.50033411+i7005.10) = -1.486891125984819... \times 10^{-9} + 0.0002755603003782765... i$   
 $\zeta(0.500334108+i7005.10) = -7.792257434904234... \times 10^{-10} + 0.0002755598744430712... i$   
 $\zeta(0.500334106+i7005.10) = -7.156030442658299... \times 10^{-11} + 0.0002755594485079402... i$   
 $\zeta(0.50033410580+i7005.10) = -7.937574088794583... \times 10^{-13} + 0.0002755594059144312... i$   
 $\zeta(0.500334105799+i7005.10) = -4.399246723696333... \times 10^{-13} + 0.0002755594057014637... i$   
 $\zeta(0.5003341057980+i7005.10) = -8.609193584566594... \times 10^{-14} + 0.0002755594054884961... i$   
 $\zeta(0.5003341057978+i7005.10) = -1.532538853917539... \times 10^{-14} + 0.0002755594054459026... i$   
 $\zeta(0.50033410579775+i7005.10) = 2.366248287535642... \times 10^{-15} + 0.0002755594054352542... i$   
 $\zeta(0.5003341057977+i7005.10) = 2.005788511428203... \times 10^{-14} + 0.0002755594054246059... i$   
 $\zeta(0.5003341057975+i7005.10) = 9.082443242162112... \times 10^{-14} + 0.0002755594053820124... i$   
 $\zeta(0.500334105797+i7005.10) = 2.677408006924438... \times 10^{-13} + 0.0002755594052755286... i$   
 $\zeta(0.500334105795+i7005.10) = 9.754062738110903... \times 10^{-13} + 0.0002755594048495935... i$   
 $\zeta(0.50033410579+i7005.10) = 2.744569956855198... \times 10^{-12} + 0.0002755594037847558... i$   
 $\zeta(0.50033410578+i7005.10) = 6.282897324004090... \times 10^{-12} + 0.0002755594016550804... i$

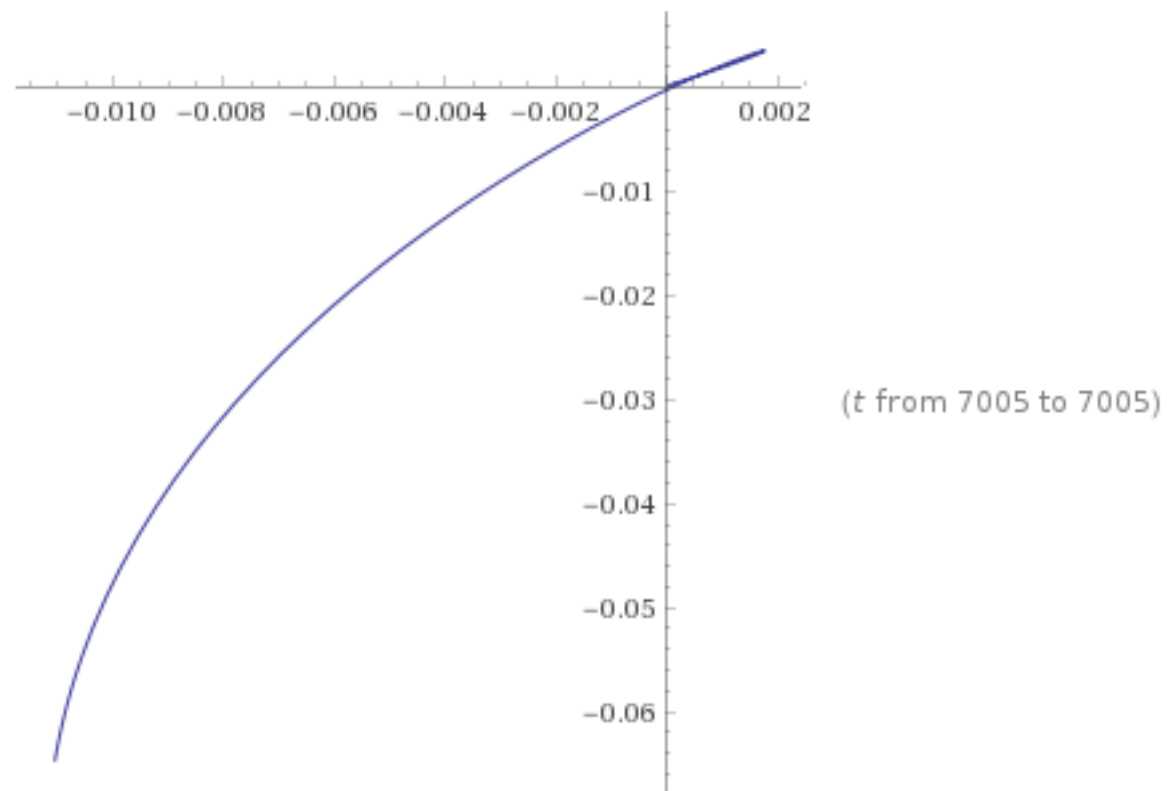
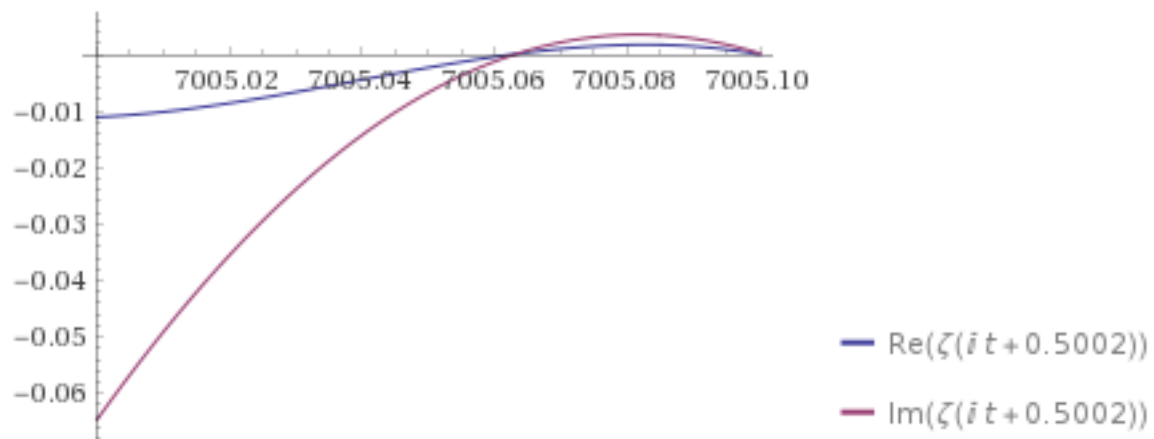
$\zeta(0.50033410575+i7005.10) = 1.689787943393618... \times 10^{-11} + 0.0002755593952660541... i$   
 $\zeta(0.5003341057+i7005.10) = 3.458951631210773... \times 10^{-11} + 0.0002755593846176770... i$   
 $\zeta(0.5003341056+i7005.10) = 6.997279017451853... \times 10^{-11} + 0.0002755593633209230... i$   
 $\zeta(0.500334105+i7005.10) = 2.822724363188792... \times 10^{-10} + 0.0002755592355404026... i$   
 $\zeta(0.50033410+i7005.10) = 2.051436352181614... \times 10^{-9} + 0.0002755581707029938... i$   
 $\zeta(0.5003340+i7005.10) = 3.743478891685217... \times 10^{-8} + 0.0002755368740524589... i$   
 $\zeta(0.500332+i7005.10) = 7.451315393153291... \times 10^{-7} + 0.0002751109800992827... i$   
 $\zeta(0.50033+i7005.10) = 1.452884859952418... \times 10^{-6} + 0.0002746851605426303... i$   
 $\zeta(0.500325+i7005.10) = 3.222515661281907... \times 10^{-6} + 0.0002736209371477416... i$   
 $\zeta(0.50031+i7005.10) = 8.533529595152828... \times 10^{-6} + 0.0002704310571855788... i$   
 $\zeta(0.5065+i7005.09) = 0.0006750096690055737... + 0.003741455715106879... i$   
 $\zeta(0.5065+i7005.094) = -0.0002126292297220701... + 0.003230518199965730... i$   
 $\zeta(0.5025+i7005.097) = -0.00003691399957215158... + 0.00166842194... i$

$\zeta(0.5003+i7005.1000) = 0.00001207597361033029... + 0.0002683067960141... i$   
 $\zeta(0.5003+i7005.100050) = 1.441632457976986... \times 10^{-6} + 0.0002505... i$   
 $\zeta(0.5003+i7005.100056) = 1.63134... \times 10^{-7} + 0.000248436... i$   
 $\zeta(0.5003+i7005.1000567) = 1.39423... \times 10^{-8} + 0.000248187... i$   
 $\zeta(0.5003+i7005.1000568) = -7.37130... \times 10^{-9} + 0.000248152... i$   
 $\zeta(0.5003+i7005.1000570) = -4.99990... \times 10^{-8} + 0.000248081... i$   
 $\zeta(0.5003+i7005.100058) = -2.63146... \times 10^{-7} + 0.000247725... i$   
 $\zeta(0.5003+i7005.100060) = -6.894819489621306... \times 10^{-7} + 0.00024... i$   
 $\zeta(0.5003+i7005.10007) = -2.822012279325608... \times 10^{-6} + 0.0002434... i$   
 $\zeta(0.5003+i7005.1001) = -9.228101087708824... \times 10^{-6} + 0.0002327... i$   
 $\zeta(0.5003+i7005.1002) = -0.00003067385919230185... + 0.00019707... i$   
 $\zeta(0.5003+i7005.1005) = -0.00009586351008074384... + 0.0000888253... i$   
 $\zeta(0.5003+i7005.101) = -0.0002073678331888919... - 0.0000952957... i$

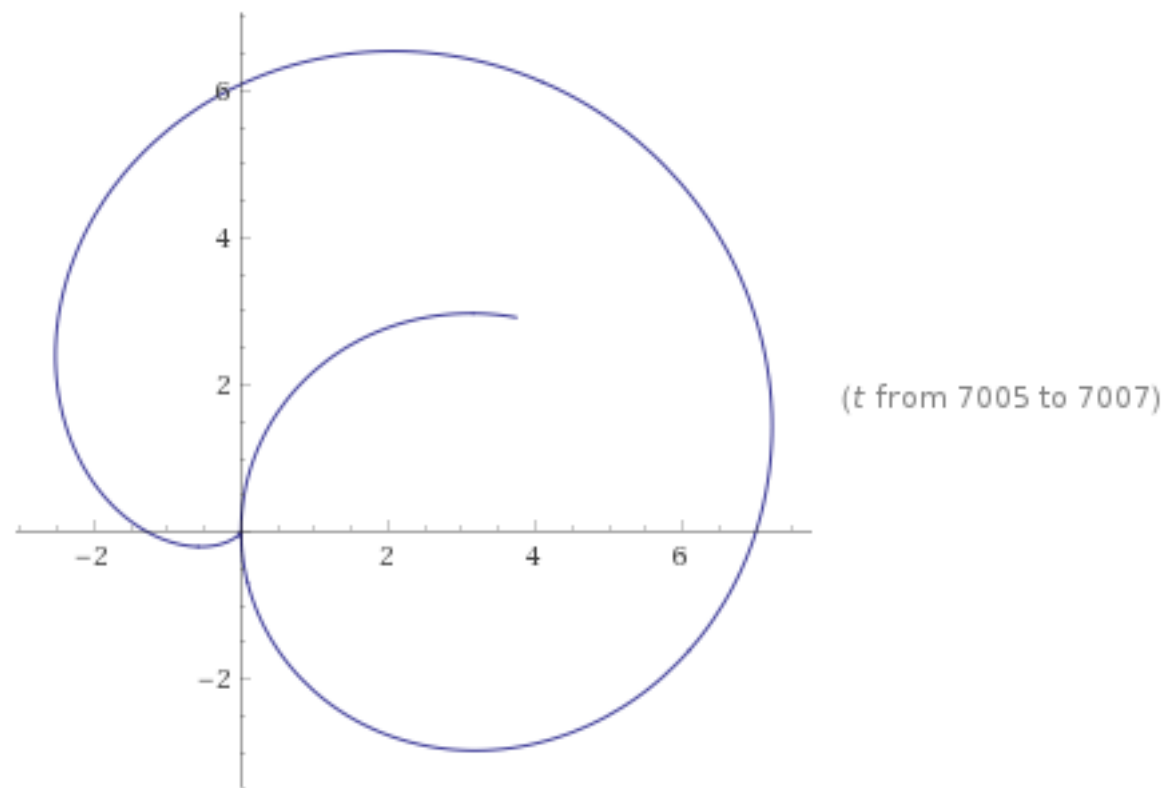
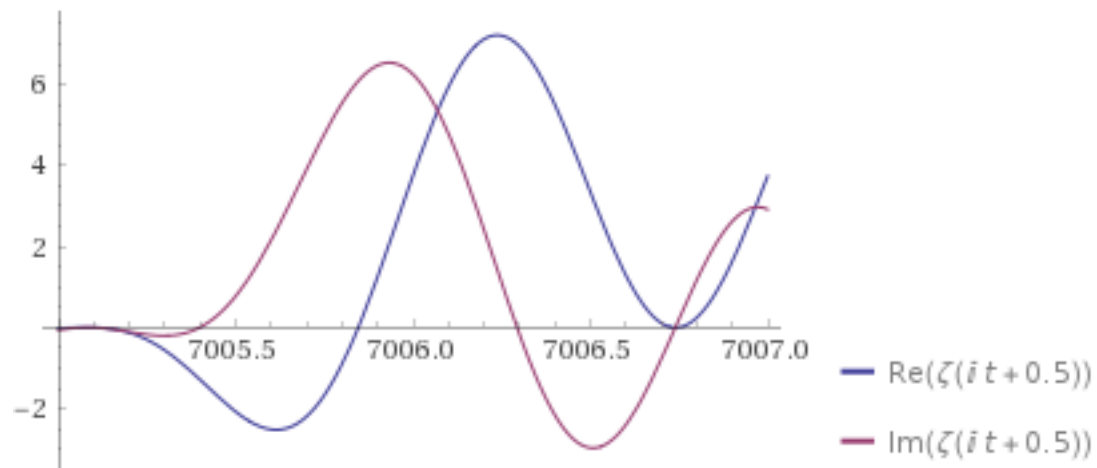
$\zeta(0.5003+i7005.103) = -0.0006896014429973511... - 0.000877936952669... i$   
 $\zeta(0.5003+i7005.105) = -0.001231140443936296... - 0.001733835065718027... i$   
 $\zeta(0.5003+i7005.108) = -0.002158593972852612... - 0.003153242086503655... i$   
 $\zeta(0.5003+i7005.11) = -0.002856276777862665... - 0.004188636335051252... i$

$\zeta(0.5002+i7005.10) = 0.00004757822995056378... + 0.0002471665571708575... i$

`plot[ {re[zeta[0.5002+i t ] ], im[ zeta[0.5002+i t ] ]}, {t, 7005.0, 7005.1} ]`

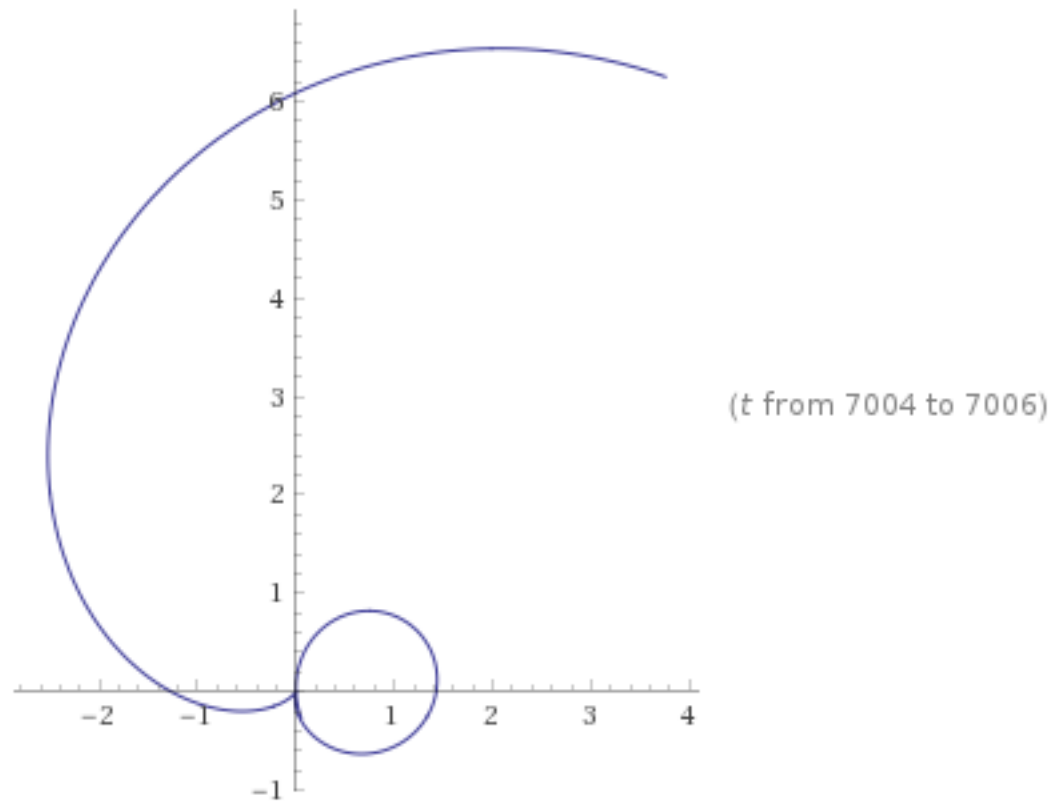
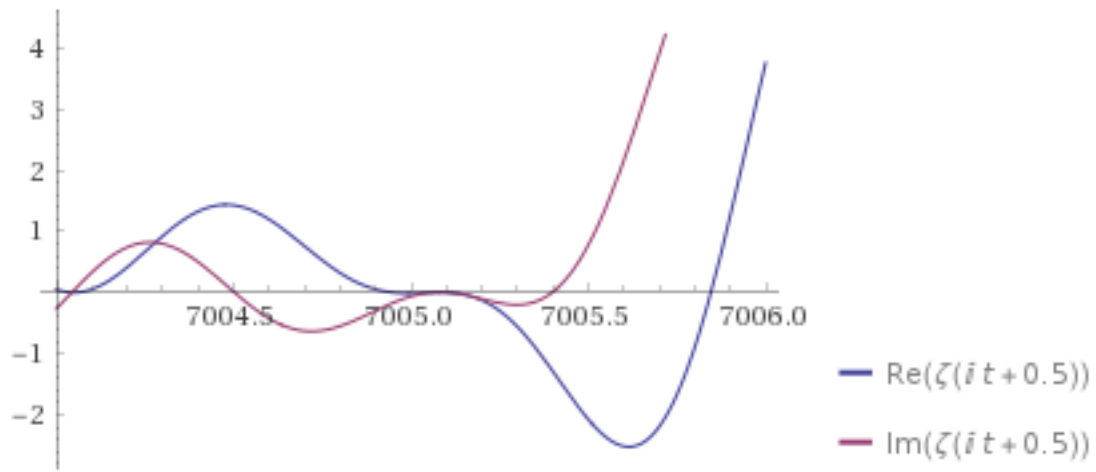


plot[ {re[zeta[0.5+i t ]], im[ zeta[0.5+i t ] ]}, {t, 7005, 7007} ]

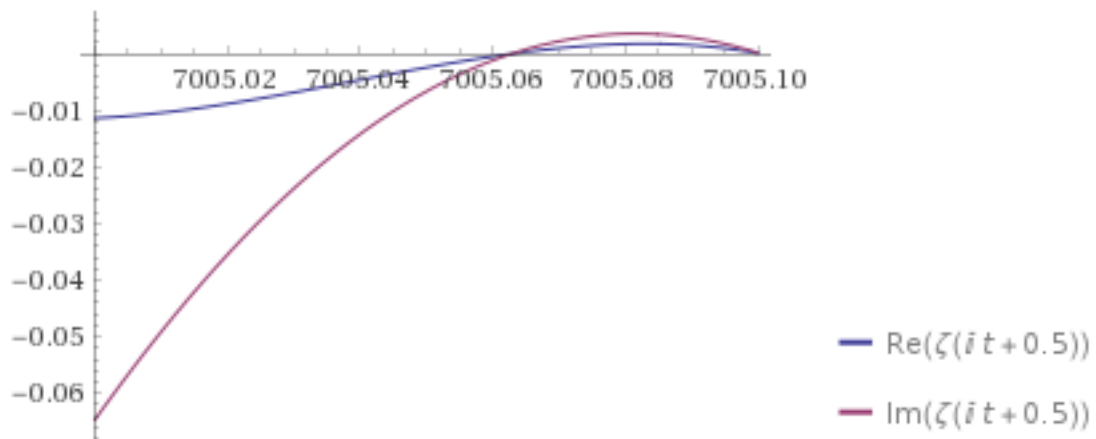


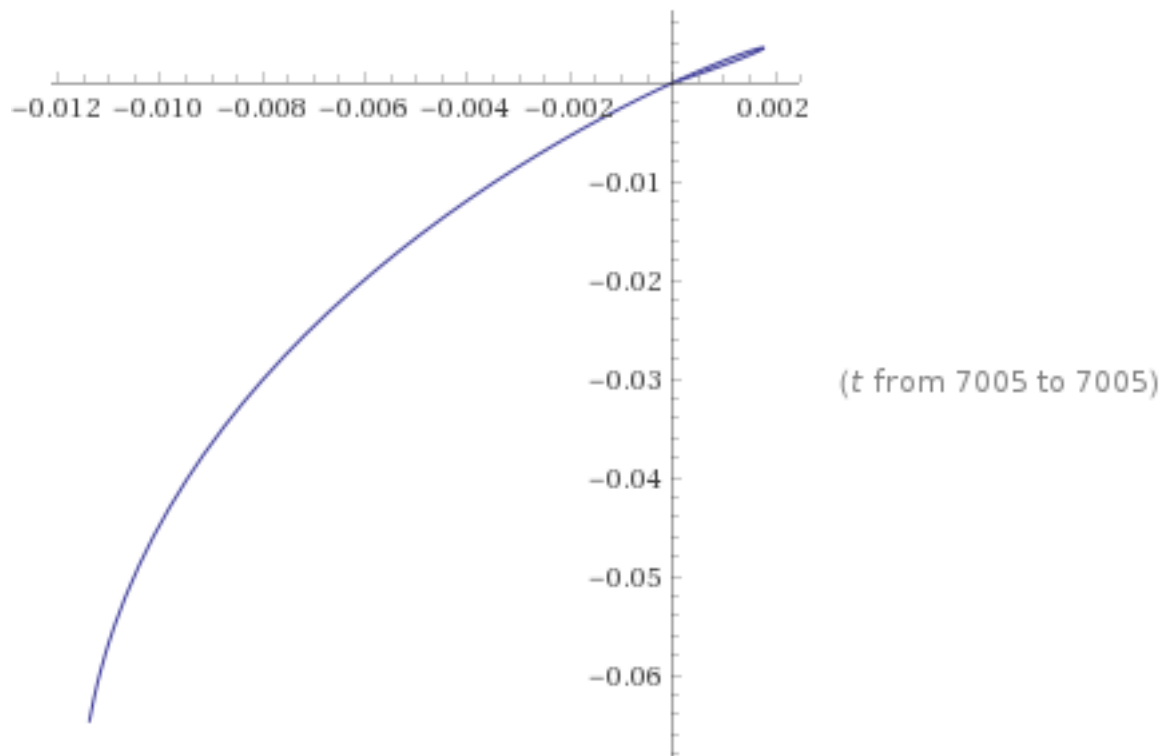
plot[ {re[zeta[0.5+i t ]], im[ zeta[0.5+i t ] ]}, {t, 7004, 7006} ]



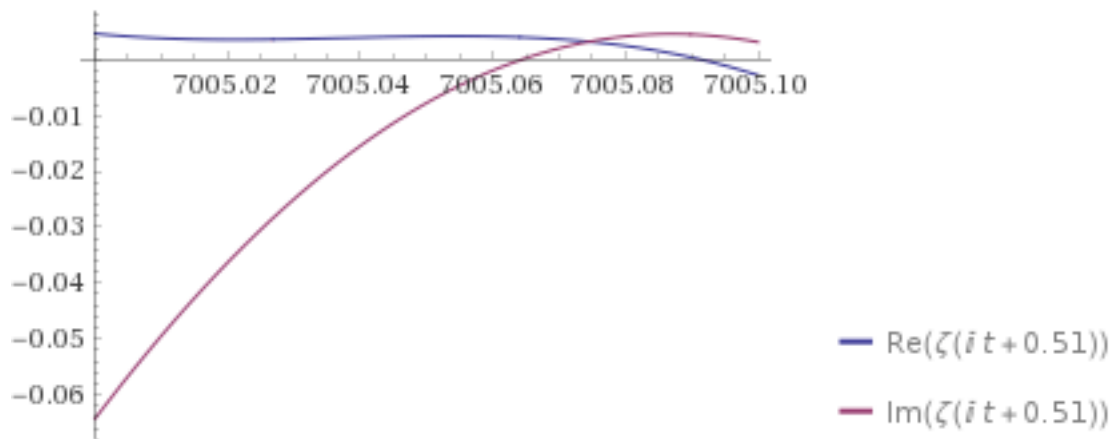


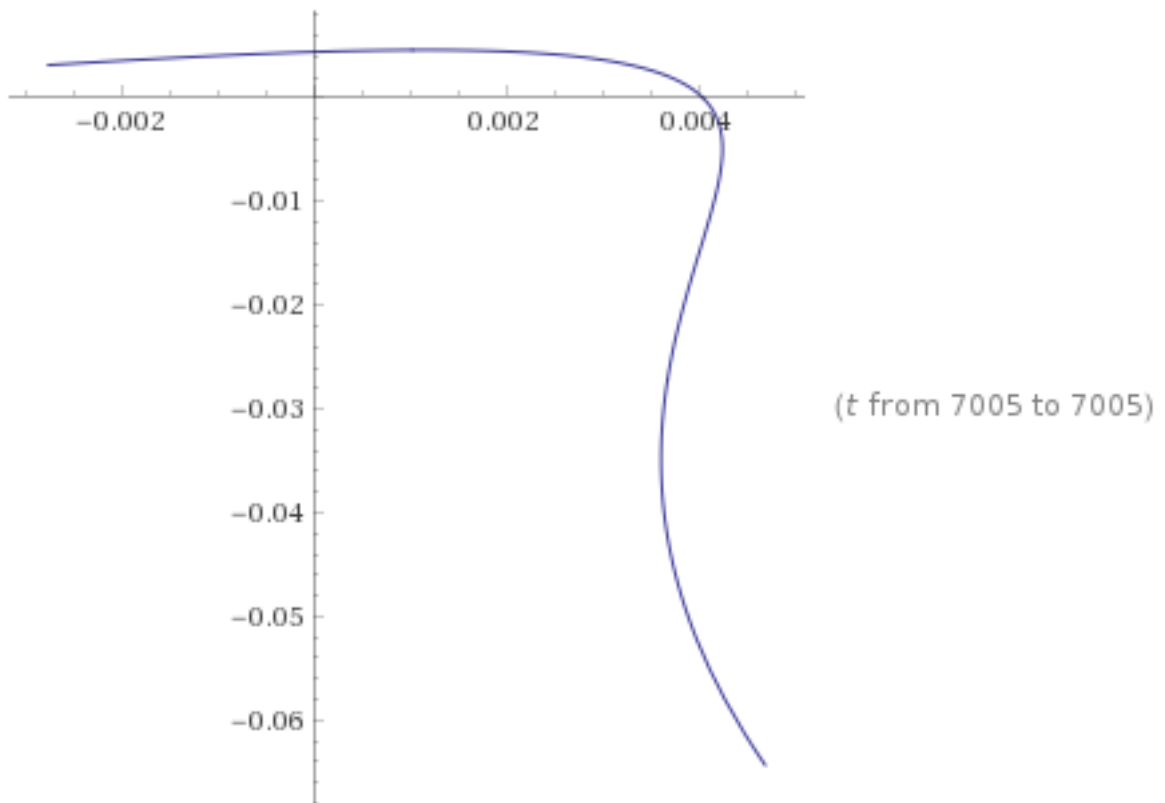
```
plot[ {re[zeta[0.5+i t ]], im[ zeta[0.5+i t ]], {t, 7005.0, 7005.1} ]
```



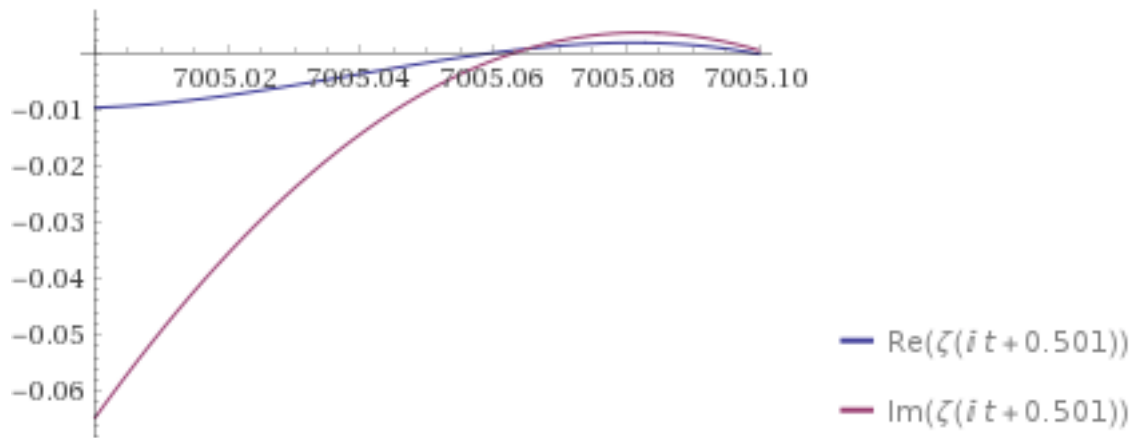


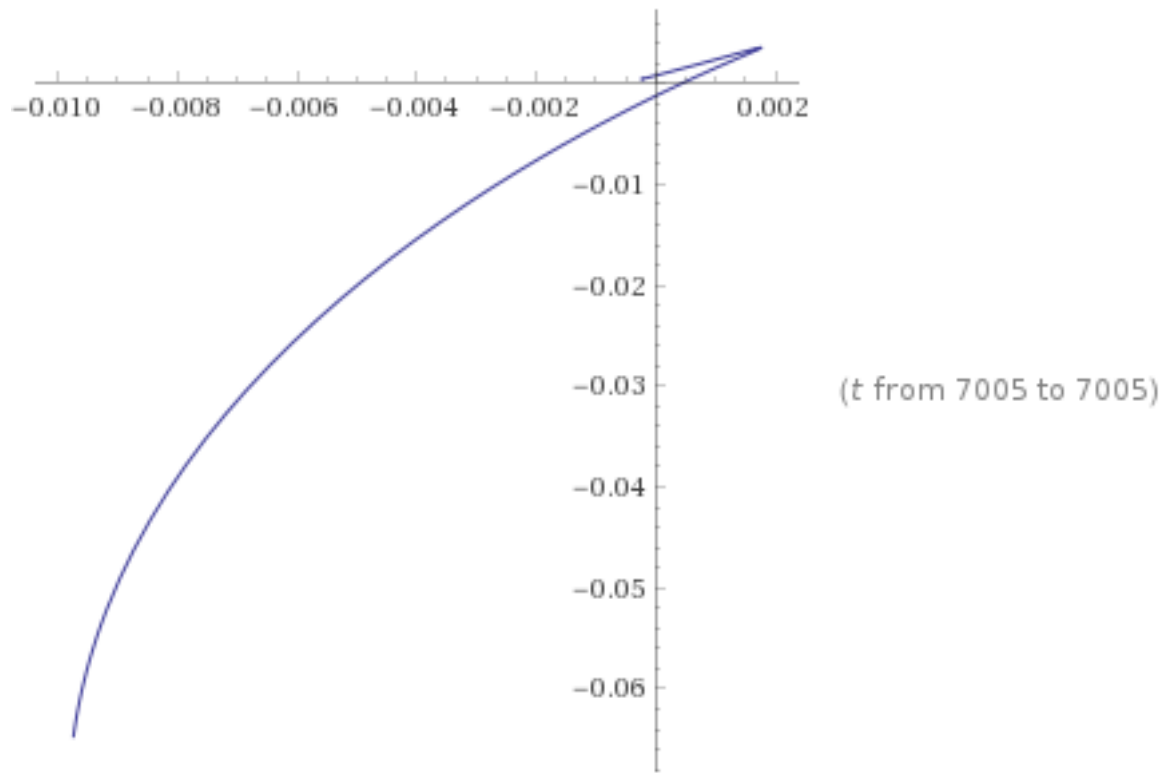
```
plot[ {re[zeta[0.51+i t ]], im[ zeta[0.51+i t ] ]}, {t, 7005.0, 7005.1} ]
```



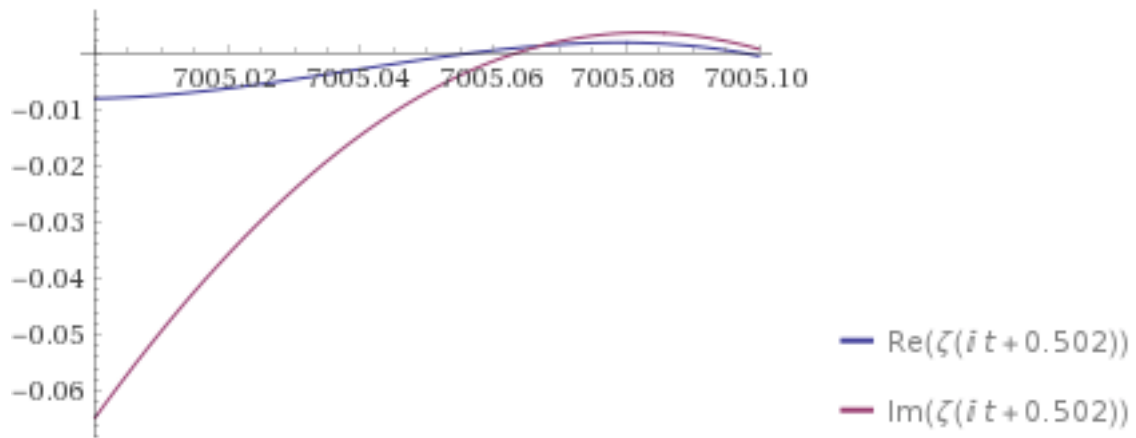


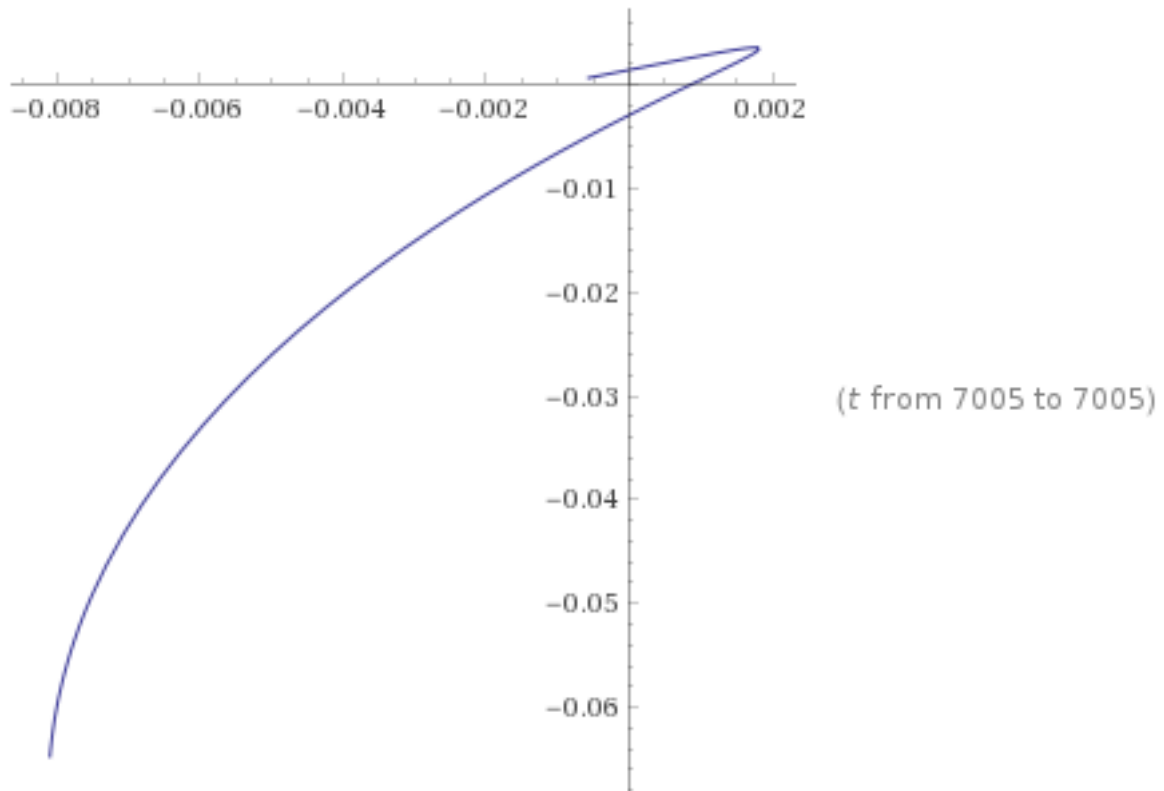
plot[ {re[zeta[0.501+i t ]], im[ zeta[0.501+i t ]]}, {t, 7005.0, 7005.1} ]





```
plot[ {re[zeta[0.502+i t ]], im[ zeta[0.502+i t ]]}, {t, 7005.0, 7005.1} ]
```





## ***References***

1. Riemann, Bernhard (1859). "Ueber die Anzahl der Primzahlen unter einer gegebenen Grösse".
2. E. Bombieri, "Problems of the millennium: The Riemann hypothesis," CL Y, (2000).
3. John Derbyshire, Prime Obsession: Bernhard Riemann and The Greatest Unsolved Problem in Mathematics, Joseph Henry Press, 2003, ISBN 9780309085496.



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



[mmm82889@yahoo.co.jp](mailto: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.

## ***postscript***

The cold when I found the first one is still continuing now and this may be my last post. I may have discovered another by surging my energy and it may not be counter example.

It may be written as a will.

I am writing this at the limit of power.

I write this with spitting blood.

I will post it in a hurry, as long as I have not done it before I die.

2/22/19 10:31 PM



2/22/19 10:31 PM