

[original article]

Simulation of nontribial point of Riemann zeta function

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[Abstract]

Tried to simulate the nontribial point of the Riemann zeta function.

At the beginning, we tried to be exactly the same value as the nontribial point of the Riemann Zeta function only with the degree of increase of the circle going up like wrapping $x = 0.5$, but the degree of increase varies from moment to moment extremely difficult It was judged impossible.

Then I created an expression that can take approximate values, but always take lower values than the nontribial zeros of the Riemann zeta function except for the initial values. However, by increasing the degree of increase of the circle going up like winding $x = 0.5$, it became possible to take a value which can be said to be an approximate value.

The degree of increase in circle was based on the formula of the nuclear energy value of uranium.

Since the degree of increase of the zero point changes from moment to moment, satisfactory approximate values can not be obtained yet.

[Introduction]

$$2\pi(Xn) = Dn \quad (1)$$

$$+1.7(1 - (\frac{\sin\pi 1.3 \bmod (An - 0.9, 3.51)}{\pi 1.3 \bmod (An - 0.9, 3.51)})^2) = En \quad (2)$$

$$14.1347 + 1.7(1 - (\frac{\sin\pi 1.3 \bmod (A1 - 0.9, 3.51)}{\pi 1.3 \bmod (A1 - 0.9, 3.51)})^2) = E1 \quad (3)$$

$$D2 + 1.7(1 - (\frac{\sin\pi 1.3 \bmod (A2 - 0.9, 3.51)}{\pi 1.3 \bmod (A2 - 0.9, 3.51)})^2) = E2 \quad (4)$$

$$D3 + 1.7(1 - (\frac{\sin\pi 1.3 \bmod (A3 - 0.9, 3.51)}{\pi 1.3 \bmod (A3 - 0.9, 3.51)})^2) = E3 \quad (5)$$

$$Dn + 1.7(1 - (\frac{\sin\pi 1.3 \bmod (An - 0.9, 3.51)}{\pi 1.3 \bmod (An - 0.9, 3.51)})^2) = En \quad (6)$$

In equation (1) I can give a value that approximates the nontrivial zero of the Riemann zeta function. However, except for the initial value, the value is a little lower than the nontrivial zero point of the Riemann zeta function. It is also necessary to add the degree of increase of the circle ascending around $x = 0.5$

At the beginning, efforts were made to have exactly the same value as the nontrivial point of the Riemann zeta function only with the degree of increase of the circle going up like winding $x = 0.5$, but since the degree of increase varies from moment to moment I tried, but judged impossible.

The degree of increase in circle was based on the formula of the nuclear energy value of uranium.

Expression of the circle's degree of increase was the result of various sought-after, and it became the expression from(2) to(6).

3.51 in the above equation is a value under the assumption that it will make a round at 3.51 times.

Also, An in the above equations (2) to (6)

$A1, A2, A3, A4, A5 \dots An \dots = 1, 2, 3, 4, 5, 6 \dots n \dots$

I simulated the nontrivial zeros of Riemann's hypothesis. Looking at every other degree of increase, there is a maximum point of increase in every fourth, third or fifth place. For that reason, I did not only change one another but I looked at differences from two, three, four, five, six, seven and so on, but the degree of increase has changed variously Was observed. This is reminiscent of the dragon which rises $x = 0.5$ while changing the degree of freedom freely while drawing a circle.

Initially I tried to simulate a nontrivial point with only the degree of increase of the circle, but I thought that it was impossible without increasing regularity and I adopted $\ln(X!)$. And averaged the increase. D_n is an approximation obtained by simulating the nontrivial point of the Riemann zeta function.

The first $D_n(=D_1)$ are larger than the nontrivial zero of the Riemann zeta function, but all others are slightly small.

The average increase is $2\pi * X_n = D_n$ (n is an integer starting from 1).

B_n are nontrivial zeros of Riemann's hypothesis. $n = 1, 2, 3, 4, 5, 6, \dots$

when $\ln(X!) = 1$	$X_1=2.31244088$	$D_1=14.52949456$	$B_1=14.1347$
when $\ln(X!) = 2$	$X_2=3.16283047$	$D_2=19.87264994$	$B_2=21.0220$
when $\ln(X!) = 3$	$X_3=3.88072502$	$D_3=24.38331443$	$B_3=25.0108$
when $\ln(X!) = 4$	$X_4=4.52614251$	$D_4=28.43859212$	$B_4=30.4248$
when $\ln(X!) = 5$	$X_5=5.12374886$	$D_5=32.19346355$	$B_5=32.9350$
when $\ln(X!) = 6$	$X_6=5.68660830$	$D_6=35.73001370$	$B_6=37.5862$
when $\ln(X!) = 7$	$X_7=6.22265528$	$D_7=39.09809623$	$B_7=40.9187$
when $\ln(X!) = 8$	$X_8=6.73714810$	$D_8=42.33074995$	$B_8=43.3270$
when $\ln(X!) = 9$	$X_9=7.233790221$	$D_9=45.45124443$	$B_9=48.0051$
when $\ln(X!) = 10$	$X_{10}=7.715310138$	$D_{10}=48.47672333$	$B_{10}=49.7738$
when $\ln(X!) = 11$	$X_{11}=8.183789082$	$D_{11}=51.42026332$	$B_{11}=52.9703$
when $\ln(X!) = 12$	$X_{12}=8.640858975$	$D_{12}=54.29211816$	$B_{12}=52.9703$
when $\ln(X!) = 13$	$X_{13}=9.087828540$	$D_{13}=57.10051076$	$B_{13}=56.4462$
when $\ln(X!) = 14$	$X_{14}=9.525767092$	$D_{14}=59.85215983$	$B_{14}=60.8318$
when $\ln(X!) = 15$	$X_{15}=9.955562217$	$D_{15}=62.55264225$	$B_{15}=65.1125$
when $\ln(X!) = 16$	$X_{16}=10.37796067$	$D_{16}=65.20664998$	$B_{16}=67.0798$
when $\ln(X!) = 17$	$X_{17}=10.79359806$	$D_{17}=67.81817674$	$B_{17}=69.5464$
when $\ln(X!) = 18$	$X_{18}=11.20302101$	$D_{18}=70.39065701$	$B_{18}=72.0671$
when $\ln(X!) = 19$	$X_{19}=11.60670377$	$D_{19}=72.92707062$	$B_{19}=75.7047$

when $\ln(X!) = 20$	X20=12. 00506117	D20=75. 43002393	B20=77. 1448
when $\ln(X!) = 21$	X21=12. 39845860	D21=77. 90181290	B21=79. 3373
when $\ln(X!) = 22$	X22=12. 78722004	D22=80. 34447305	B22=82. 9104
when $\ln(X!) = 23$	X23=13. 17163436	D23=82. 75981949	B23=84. 7354
when $\ln(X!) = 24$	X24=13. 55196054	D24=85. 14947938	B24=87. 4253
when $\ln(X!) = 25$	X25=13. 92843186	D25=87. 51491840	B25=88. 8091
when $\ln(X!) = 26$	X26=14. 30125934	D26=89. 85746259	B26=92. 4919
when $\ln(X!) = 27$	X27=14. 67063473	D27=92. 17831657	B27=94. 6513
when $\ln(X!) = 28$	X28=15. 03673282	D28=94. 47857870	B28=95. 8706
when $\ln(X!) = 29$	X29=15. 39971356	D29=96. 75925398	B29=98. 8312
when $\ln(X!) = 30$	X30=15. 75972378	D30=99. 02126488	B30=101. 3178
when $\ln(X!) = 31$	X31=16. 11689864	D31=101. 2654607	B31=103. 7255
when $\ln(X!) = 32$	X32=16. 47136294	D32=103. 4926256	B32=105. 4466
when $\ln(X!) = 33$	X33=16. 82323220	D33=105. 7034854	B33=107. 1686
when $\ln(X!) = 34$	X34=17. 17261360	D34=107. 8987134	B34=111. 0295
when $\ln(X!) = 35$	X35=17. 51960683	D35=110. 0789362	B35=111. 8747
when $\ln(X!) = 36$	X36=17. 86430481	D36=112. 2447375	B36=114. 3202
when $\ln(X!) = 37$	X37=18. 20679432	D37=114. 3966625	B37=116. 2267
when $\ln(X!) = 38$	X38=18. 54715655	D38=116. 5352215	B38=118. 7908
when $\ln(X!) = 39$	X39=18. 88546764	D39=118. 6608928	B39=121. 3701
when $\ln(X!) = 40$	X40=19. 22179906	D40=120. 7741254	B40=122. 9468
when $\ln(X!) = 41$	X41=19. 55621806	D41=122. 8753420	B41=124. 2568
when $\ln(X!) = 42$	X42=19. 88878797	D42=124. 9649403	B42=127. 5166
when $\ln(X!) = 43$	X43=20. 21956855	D43=127. 0432961	B43=129. 5787
when $\ln(X!) = 44$	X44=20. 52588245	D44=129. 1107638	B44=131. 0877
when $\ln(X!) = 45$	X45=20. 87598453	D45=131. 1676793	B45=133. 4977
when $\ln(X!) = 46$	X46=21. 20172393	D46=133. 2143603	B46=134. 7567
when $\ln(X!) = 47$	X47=21. 52588245	D47=135. 2511084	B47=138. 1160
when $\ln(X!) = 48$	X48=21. 84850565	D48=137. 2782097	B48=139. 7362
when $\ln(X!) = 49$	X49=22. 16963685	D49=139. 2959365	B49=141. 1237
when $\ln(X!) = 50$	X50=22. 48931724	D50=141. 3045476	B50=143. 1118
when $\ln(X!) = 51$	X51=22. 80758604	D51=143. 3042898	B51=146. 0010
when $\ln(X!) = 52$	X52=23. 12448081	D52=145. 2953981	B52=147. 4228
when $\ln(X!) = 53$	X53=23. 44003716	D53=147. 2780971	B53=150. 0535
when $\ln(X!) = 54$	X54=23. 75428923	D54=149. 2526011	B54=150. 9252
when $\ln(X!) = 55$	X55=24. 06726967	D55=151. 2191152	B55=153. 0247
when $\ln(X!) = 56$	X56=24. 37900969	D56=153. 1778355	B56=156. 1129

when $\ln(X!) = 57$	X57=24. 68953919	D57=155. 1289499	B57=157. 5976
when $\ln(X!) = 58$	X58=24. 99888684	D58=157. 0726385	B58=158. 8500
when $\ln(X!) = 59$	X59=25. 30708011	D59=159. 0090739	B59=161. 1890
when $\ln(X!) = 60$	X60=25. 61414539	D60=160. 9384220	B60=163. 0307
when $\ln(X!) = 61$	X61=25. 92010803	D61=162. 8608419	B61=165. 5371
when $\ln(X!) = 62$	X62=26. 22499237	D62=164. 7764868	B62=167. 1844
when $\ln(X!) = 63$	X63=26. 52882186	D63=166. 6855037	B63=169. 0945
when $\ln(X!) = 64$	X64=26. 83161903	D64=168. 5880345	B64=173. 4115
when $\ln(X!) = 65$	X65=27. 13340561	D65=170. 4842155	B65=173. 4115
when $\ln(X!) = 66$	X66=27. 43420251	D66=172. 3741781	B66=174. 7542
when $\ln(X!) = 67$	X67=27. 73402991	D67=174. 2580492	B67=176. 4414
when $\ln(X!) = 68$	X68=28. 03290727	D68=176. 1359511	B68=178. 3774
when $\ln(X!) = 69$	X69=28. 33085337	D69=178. 0080016	B69=179. 9165
when $\ln(X!) = 70$	X70=28. 62788636	D70=179. 8743149	B70=182. 2071
when $\ln(X!) = 71$	X71=28. 92402376	D71=181. 7350011	B71=184. 8745
when $\ln(X!) = 72$	X72=29. 21928252	D72=183. 5901666	B72=185. 5988
when $\ln(X!) = 73$	X73=29. 51367903	D73=185. 4399144	B73=187. 2289
when $\ln(X!) = 74$	X74=29. 80722913	D74=187. 2843441	B74=189. 4162
when $\ln(X!) = 75$	X75=30. 09994819	D75=189. 1235522	B75=192. 0266
when $\ln(X!) = 76$	X76=30. 39185107	D76=190. 9576321	B76=193. 0797
when $\ln(X!) = 77$	X77=30. 68295218	D77=192. 7866743	B77=195. 2654
when $\ln(X!) = 78$	X78=30. 97326548	D78=194. 6107665	B78=196. 8765
when $\ln(X!) = 79$	X79=31. 26280450	D79=196. 4299939	B79=198. 0153
when $\ln(X!) = 80$	X80=31. 55158239	D80=198. 2444389	B80=201. 2648
when $\ln(X!) = 81$	X81=31. 83961189	D81=200. 0541816	B81=202. 4936
when $\ln(X!) = 82$	X82=32. 12690538	D82=201. 8592999	B82=204. 1896
when $\ln(X!) = 83$	X83=32. 41347489	D83=203. 6598692	B83=205. 3947
when $\ln(X!) = 84$	X84=32. 69933207	D84=205. 4559628	B84=207. 9063
when $\ln(X!) = 85$	X85=32. 9844883	D85=207. 2476523	B85=209. 5765
when $\ln(X!) = 86$	X86=33. 2689546	D86=209. 0353367	B86=211. 6908
when $\ln(X!) = 87$	X87=33. 55274171	D87=210. 8180937	B87=213. 3479
when $\ln(X!) = 88$	X88=33. 83586006	D88=212. 5969788	B88=214. 5470
when $\ln(X!) = 89$	X89=34. 11831982	D89=214. 3717258	B89=216. 1695
when $\ln(X!) = 90$	X90=34. 40013088	D90=216. 1423969	B90=219. 0676
when $\ln(X!) = 91$	X91=34. 68130288	D91=217. 9090527	B91=220. 7149
when $\ln(X!) = 92$	X92=34. 96184519	D92=219. 671752	B92=221. 4307
when $\ln(X!) = 93$	X93=35. 24176696	D93=221. 4305524	B93=224. 0070
when $\ln(X!) = 94$	X94=35. 5210771	D94=223. 1855097	B94=224. 9833

when $\ln(X!) = 95$	X95=35. 7997843	D95=224. 9366787	B95=227. 4214
when $\ln(X!) = 96$	X96=36. 07789704	D96=226. 6841126	B96=229. 3374
when $\ln(X!) = 97$	X97=36. 35542357	D97=228. 4278632	B97=231. 2502
when $\ln(X!) = 98$	X98=36. 63237195	D98=230. 1679812	B98=231. 9872
when $\ln(X!) = 99$	X99=36. 90875007	D99=231. 9045161	B99=233. 6934
when $\ln(X!) = 100$	X100=37. 1845656	D100=233. 6375162	B100=236. 5242
when $\ln(X!) = 101$	X101=37. 45982604	D101=235. 3670286	B101=237. 7698
when $\ln(X!) = 102$	X102=37. 73453872	D102=237. 0930993	B102=239. 5555
when $\ln(X!) = 103$	X103=38. 0087108	D103=238. 8157732	B103=241. 0492
when $\ln(X!) = 104$	X104=38. 28234927	D104=240. 5350945	B104=242. 8233
when $\ln(X!) = 105$	X105=38. 55546097	D105=242. 2511059	B105=244. 0709
when $\ln(X!) = 106$	X106=38. 82805257	D106=243. 9638494	B106=247. 1370
when $\ln(X!) = 107$	X107=39. 10013062	D107=245. 6733662	B107=248. 1020
when $\ln(X!) = 108$	X108=39. 3717015	D108=247. 3796964	B108=249. 5737
when $\ln(X!) = 109$	X109=39. 64277147	D109=249. 0828792	B109=251. 0149
when $\ln(X!) = 110$	X110=39. 91334663	D110=250. 7829531	B110=253. 0670
when $\ln(X!) = 111$	X111=40. 18343299	D111=252. 4799557	B111=255. 3063
when $\ln(X!) = 112$	X112=40. 45303638	D112=254. 1739238	B112=256. 3807
when $\ln(X!) = 113$	X113=40. 72216256	D113=255. 8648937	B113=258. 6104
when $\ln(X!) = 114$	X114=40. 99081713	D114=257. 5528999	B114=259. 8744
when $\ln(X!) = 115$	X115=41. 25900559	D115=259. 2379777	B115=260. 8051
when $\ln(X!) = 116$	X116=41. 52673334	D116=260. 9201608	B116=263. 5739
when $\ln(X!) = 117$	X117=41. 79400565	D117=262. 5994822	B117=265. 5578
when $\ln(X!) = 118$	X118=42. 0608277	D118=264. 2759746	B118=266. 6150
when $\ln(X!) = 119$	X119=42. 32720454	D119=265. 9496697	B119=267. 9219
when $\ln(X!) = 120$	X120=42. 59314116	D120=267. 6205987	B120=269. 9704
when $\ln(X!) = 121$	X121=42. 85864243	D121=269. 2887924	B121=271. 4941
when $\ln(X!) = 122$	X122=43. 12371312	D122=270. 9542806	B122=273. 4596
when $\ln(X!) = 123$	X123=43. 38835791	D123=272. 6170929	B123=275. 5875
when $\ln(X!) = 124$	X124=43. 65258141	D124=274. 2772581	B124=276. 4521
when $\ln(X!) = 125$	X125=43. 91638812	D125=275. 9348046	B125=248. 2507
when $\ln(X!) = 126$	X126=44. 17978247	D126=277. 5897601	B126=279. 2292
when $\ln(X!) = 127$	X127=44. 44276879	D127=279. 2421519	B127=282. 4651
when $\ln(X!) = 128$	X128=44. 70535135	D128=280. 8920068	B128=283. 2112
when $\ln(X!) = 129$	X129=44. 96753433	D129=282. 539351	B129=284. 8360
when $\ln(X!) = 130$	X130=45. 22932185	D130=284. 1842105	B130=286. 6674
when $\ln(X!) = 131$	X131=45. 49071792	D131=285. 7266105	B131=287. 9119

when $\ln(X!) = 132$	X132=45. 75172652	D132=287. 4665758	B132=289. 5798
when $\ln(X!) = 133$	X133=46. 01235152	D133=289. 104131	B133=291. 8463
when $\ln(X!) = 134$	X134=46. 27259676	D134=290. 7393001	B134=293. 5584
when $\ln(X!) = 135$	X135=46. 53246599	D135=292. 3721066	B135=294. 9657
when $\ln(X!) = 136$	X136=46. 79196289	D136=294. 0025738	B136=295. 5732
when $\ln(X!) = 137$	X137=47. 05109111	D137=295. 6307243	B137=297. 9793
when $\ln(X!) = 138$	X138=47. 30985418	D138=297. 2565807	B138=299. 8403
when $\ln(X!) = 139$	X139=47. 56825562	D139=298. 8801648	B139=301. 6493
when $\ln(X!) = 140$	X140=47. 82629888	D140=300. 5014984	B140=302. 6967
when $\ln(X!) = 141$	X141=48. 08398733	D141=302. 1206027	B141=304. 8644
when $\ln(X!) = 142$	X142=48. 34132431	D142=303. 7374987	B142=305. 7289
when $\ln(X!) = 143$	X143=48. 59831309	D143=305. 3522068	B143=307. 2195
when $\ln(X!) = 144$	X144=48. 85495691	D144=306. 9647474	B144=310. 1095
when $\ln(X!) = 145$	X145=49. 11125891	D145=308. 5751404	B145=311. 1651
when $\ln(X!) = 146$	X146=49. 36722222	D146=310. 1834053	B146=312. 4278
when $\ln(X!) = 147$	X147=49. 62284991	D147=311. 7895614	B147=313. 9853
when $\ln(X!) = 148$	X148=49. 87814499	D148=313. 3936278	B148=315. 4756
when $\ln(X!) = 149$	X149=50. 13311044	D149=314. 9956229	B149=317. 7348
when $\ln(X!) = 150$	X150=50. 38774918	D150=316. 5955653	B150=318. 8531
when $\ln(X!) = 151$	X151=50. 64206409	D151=318. 193473	B151=321. 1601
when $\ln(X!) = 152$	X152=50. 89605799	D152=319. 7893638	B152=322. 1446
when $\ln(X!) = 153$	X153=51. 14973369	D153=321. 3832552	B153=323. 4667
when $\ln(X!) = 154$	X154=51. 40309393	D154=322. 9751645	B154=324. 8629
when $\ln(X!) = 155$	X155=51. 65614141	D155=324. 5651087	B155=327. 4439
when $\ln(X!) = 156$	X156=51. 9088788	D156=326. 1531046	B156=329. 0331
when $\ln(X!) = 157$	X157=52. 16130872	D157=327. 7391686	B157=329. 9532
when $\ln(X!) = 158$	X158=52. 41343375	D158=329. 3233168	B158=331. 4745
when $\ln(X!) = 159$	X159=52. 66525645	D159=330. 9055655	B159=333. 6454
when $\ln(X!) = 160$	X160=52. 91677933	D160=332. 4859304	B160=334. 2113
when $\ln(X!) = 161$	X161=53. 16800485	D161=334. 0644269	B161=336. 8418
when $\ln(X!) = 162$	X162=53. 41343375	D162=335. 6410704	B162=338. 3340
when $\ln(X!) = 163$	X163=53. 66924756	D163=337. 2158759	B163=339. 8582
when $\ln(X!) = 164$	X164=53. 91992148	D164=338. 7888584	B164=341. 0423
when $\ln(X!) = 165$	X165=54. 16998160	D165=340. 3600325	B165=342. 0549
when $\ln(X!) = 166$	X166=54. 41975621	D166=341. 9294126	B166=344. 6617
when $\ln(X!) = 167$	X167=54. 66924756	D167=343. 4970130	B167=346. 3479
when $\ln(X!) = 168$	X168=54. 91845791	D168=345. 0628478	B168=347. 2727
when $\ln(X!) = 169$	X169=55. 16738944	D169=346. 6269308	B169=349. 3163

when $\ln(X!) = 170$	X170=55. 41604435	D170=348. 1892756	B170=350. 4084
when $\ln(X!) = 171$	X171=55. 66442476	D171=349. 7498958	B171=351. 1939
when $\ln(X!) = 172$	X172=55. 91845791	D172=351. 3088046	B172=353. 4889
when $\ln(X!) = 173$	X173=56. 16037055	D173=352. 8660151	B173=356. 0176
when $\ln(X!) = 174$	X174=56. 40794007	D174=354. 4215402	B174=357. 1513
when $\ln(X!) = 175$	X175=56. 65524339	D175=355. 9753928	B175=357. 9527
when $\ln(X!) = 176$	X176=56. 90228251	D176=357. 5275854	B176=359. 7437
when $\ln(X!) = 177$	X177=57. 14905941	D177=359. 0781304	B177=361. 2894
when $\ln(X!) = 178$	X178=57. 39557604	D178=360. 6270401	B178=363. 3313
when $\ln(X!) = 179$	X179=57. 64183433	D179=362. 1743265	B179=364. 7360
when $\ln(X!) = 180$	X180=57. 88783616	D180=363. 7200017	B180=366. 2127
when $\ln(X!) = 181$	X181=58. 13358343	D181=365. 2640773	B181=367. 9936
when $\ln(X!) = 182$	X182=58. 37907798	D182=366. 806565	B182=368. 9684
when $\ln(X!) = 183$	X183=58. 62432163	D183=368. 3474763	B183=370. 0509
when $\ln(X!) = 184$	X184=58. 86931619	D184=369. 8868225	B184=373. 0619
when $\ln(X!) = 185$	X185=59. 11406345	D185=371. 4246149	B185=373. 8649
when $\ln(X!) = 186$	X186=59. 35856515	D186=372. 9608644	B186=375. 8259
when $\ln(X!) = 187$	X187=59. 60282303	D187=374. 4955819	B187=376. 3241
when $\ln(X!) = 188$	X188=59. 84683882	D188=376. 0287783	B188=378. 4367
when $\ln(X!) = 189$	X189=60. 09061419	D189=377. 5604642	B189=379. 8730
when $\ln(X!) = 190$	X190=60. 33415083	D190=379. 0905600	B190=381. 4845
when $\ln(X!) = 191$	X191=60. 57745039	D191=380. 6193462	B191=383. 4453
when $\ln(X!) = 192$	X192=60. 82051449	D192=382. 1465630	B192=384. 9561
when $\ln(X!) = 193$	X193=61. 06334476	D193=383. 6723106	B193=385. 8613
when $\ln(X!) = 194$	X194=61. 30594277	D194=385. 1965988	B194=387. 2229
when $\ln(X!) = 195$	X195=61. 54831010	D195=386. 7194377	B195=388. 8461
when $\ln(X!) = 196$	X196=61. 79044832	D196=388. 2408370	B196=391. 4561
when $\ln(X!) = 197$	X197=62. 03235894	D197=389. 7608063	B197=392. 2451
when $\ln(X!) = 198$	X198=62. 27404349	D198=391. 2793551	B198=393. 4277
when $\ln(X!) = 199$	X199=62. 51550348	D199=392. 7964929	B199=395. 5828
when $\ln(X!) = 200$	X200=62. 75674037	D200=394. 3122290	B200=396. 3819
when $\ln(X!) = 201$	X201=62. 99775564	D201=395. 8265726	B201=397. 9187
when $\ln(X!) = 202$	X202=63. 23855074	D202=397. 3395328	B202=399. 9851
when $\ln(X!) = 203$	X203=63. 47912708	D203=398. 8511186	B203=401. 8392
when $\ln(X!) = 204$	X204=63. 71948610	D204=400. 3613388	B204=402. 8619
when $\ln(X!) = 205$	X205=63. 95962917	D205=401. 8702023	B205=404. 2364
when $\ln(X!) = 206$	X206=64. 19955770	D206=403. 3777177	B206=405. 1344
when $\ln(X!) = 207$	X207=64. 43927304	D207=404. 8838936	B207=407. 5815

when $\ln(X!) = 208$	X208=64. 67877655	D208=406. 3887385	B208=408. 9472
when $\ln(X!) = 209$	X209=64. 91806956	D209=407. 8922608	B209=410. 5139
when $\ln(X!) = 210$	X210=65. 15715339	D210=409. 3944688	B210=411. 9723
when $\ln(X!) = 211$	X211=65. 39602935	D211=410. 8953707	B211=413. 2627
when $\ln(X!) = 212$	X212=65. 63469873	D212=412. 3949747	B212=415. 0188
when $\ln(X!) = 213$	X213=65. 87316280	D213=413. 8932887	B213=415. 4552
when $\ln(X!) = 214$	X214=66. 11142284	D214=415. 3903206	B214=418. 3877
when $\ln(X!) = 215$	X215=66. 34948009	D215=416. 8860784	B215=419. 8614
when $\ln(X!) = 216$	X216=66. 58733579	D216=418. 3805699	B216=420. 6438
when $\ln(X!) = 217$	X217=66. 82499006	D217=419. 8737957	B217=422. 0767
when $\ln(X!) = 218$	X218=67. 06244740	D218=421. 3657842	B218=423. 7166

.....

.....

And so on.

E1=16. 2294969

E2=22. 1213224

E3=25. 8248827

E4=29. 3103324

E5=34. 39978221

E6=37. 60106032

E7=40. 2163513

E8=44. 61075331

E9=47. 1088519

E10=49. 9335178

.....

.....

.....

E97=230. 126959

E98=231. 44602

E99=234. 203986

E100=235. 928929

E101=237. 035398

.....

.....

E137=295. 7531594

E138=298. 3289741

E139=299. 5367919

E140=302. 4005669

.....

.....

And so on.

Even if you change the formula so that E1 becomes 14.1347, which is the first of the nontrivial zero of the Riemann zeta function, the simulation has become extremely difficult.

【Discussion】

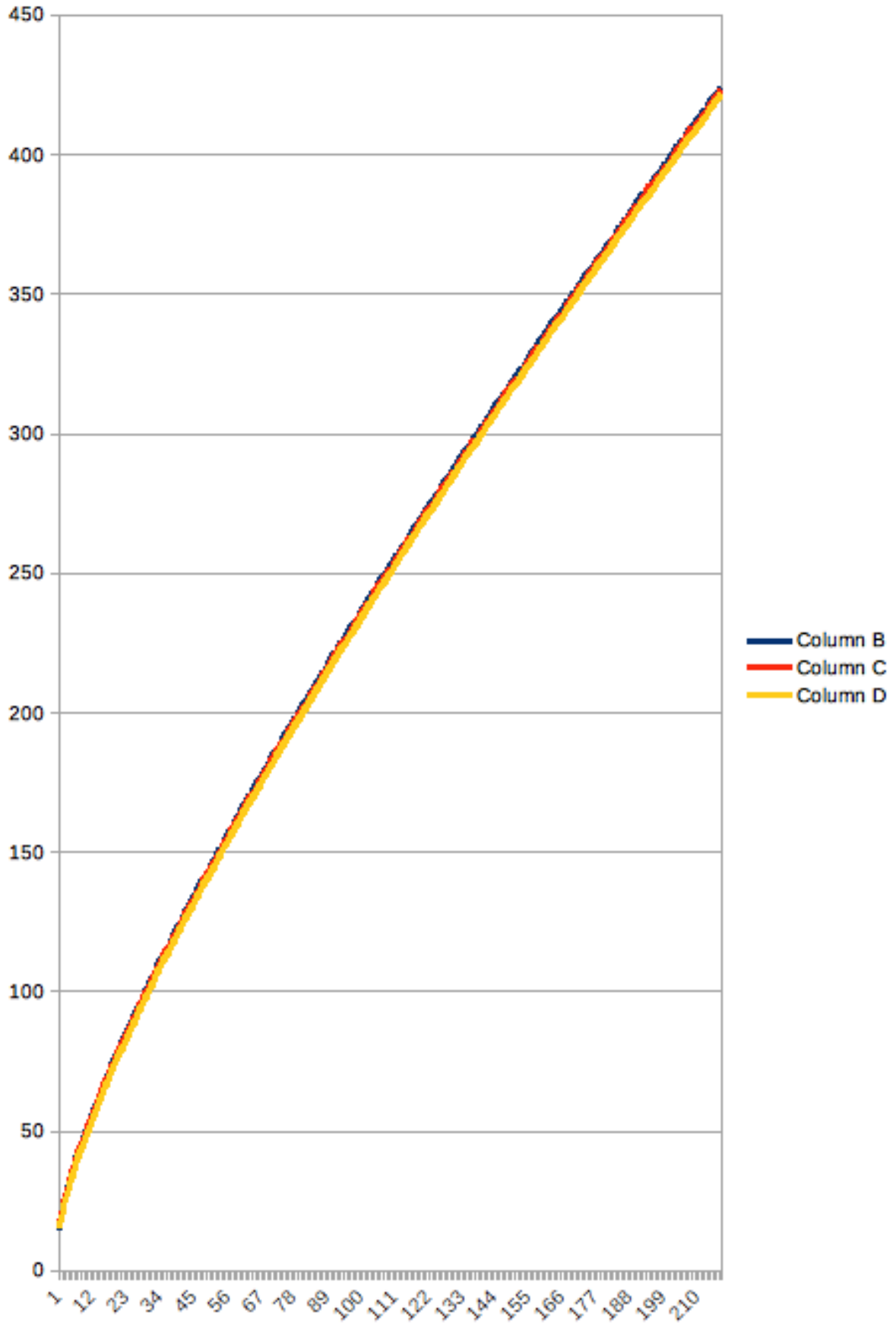
It is considered that the reason why the degree of increase at the beginning of the nontrivial point of the Riemann Zeta function is large is because the radius of the circle (dragon) surrounding $x = 0.5$ is large. When $n = 200$ or more, the degree of increase is small, which is thought to be because the radius of the circle (dragon) surrounding $x = 0.5$ is small.

As shown in the figure below, the nontrivial zero point of the Riemann zeta function and its simulated numerical value are up to $n = 217$, they are almost on the same line(Figure 1 and Figure 2).

However, it is inferred from the graph that the approximate value obtained by equation (1) has a somewhat lower value(Figure 1).

Next graph(Figure 1).

The approximate value obtained by equation (1) is Column D.

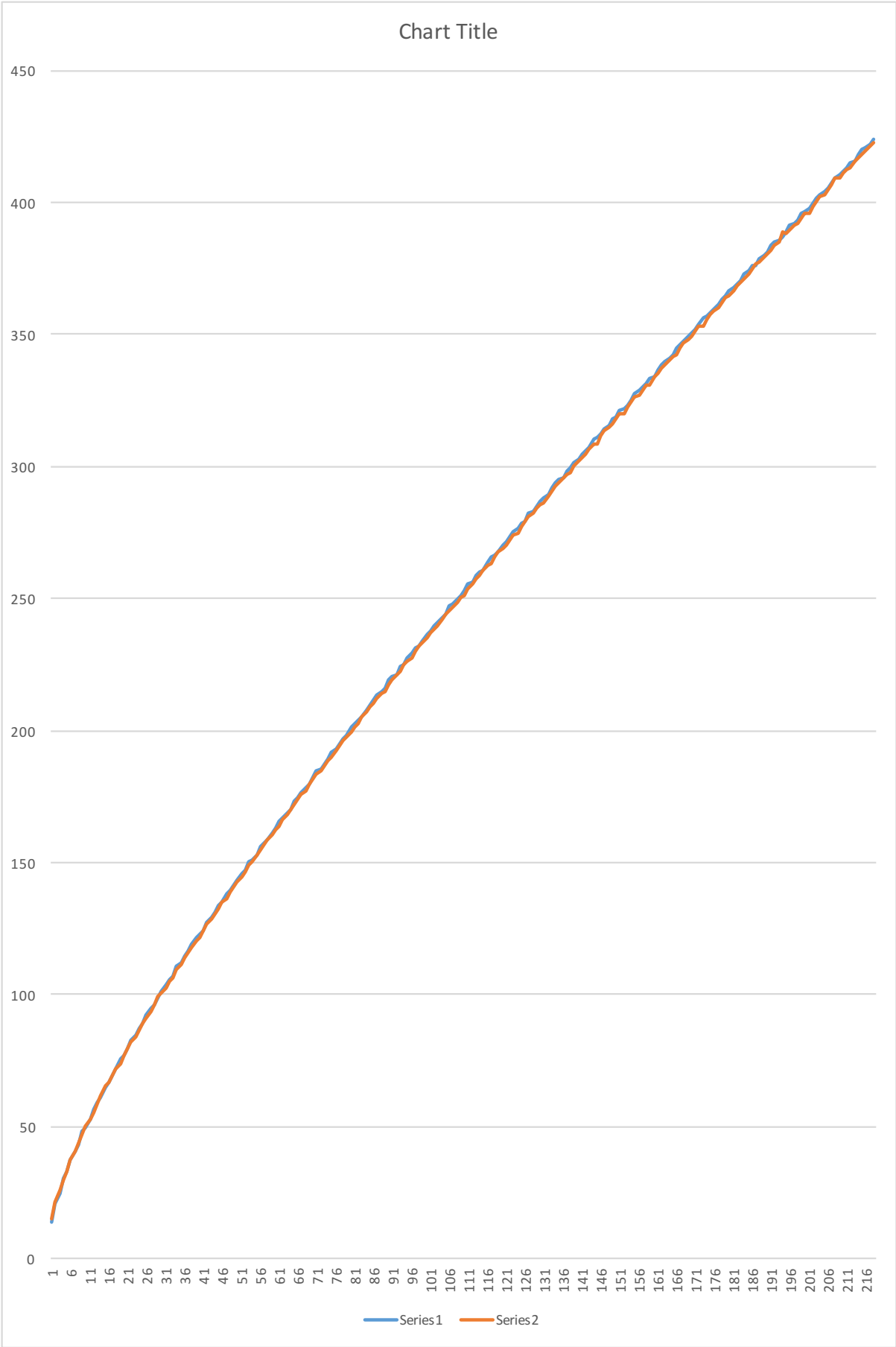


Next graph(Figure 2).

The nontrivial zero point of the Riemann zeta function is series 1.

The approximate value obtained by equation (3) to (6) is series 2.

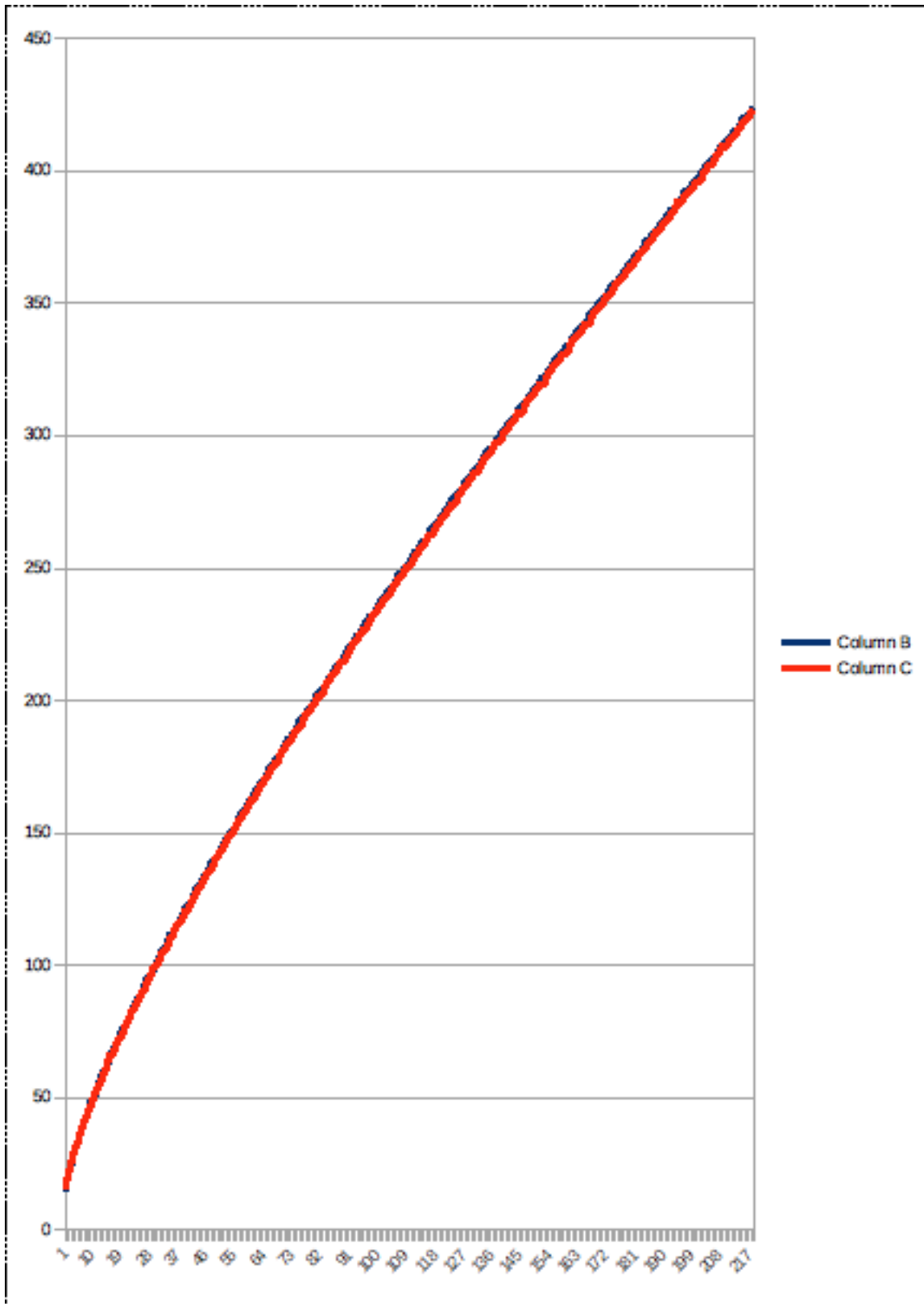
It seems that it can be said that it is on almost the same line.



Next graph(Figure 3).

The nontrivial zero point of the Riemann zeta function is Column B.

The approximate value obtained by equation (1) is Column C.



【Postscript】

I got tired of finding a pattern where the degree of increase was changeable freely, I gave up finding that pattern and decided to make it public here.

This is reminiscent of the dragon which rises $x = 0.5$ while changing the degree of freedom freely while drawing a circle.

【References】

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



【Re-Postscript】

<http://fish008.ninpou.jp/14.17-0033.xlsx>

There is an excel file in the above.



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



(home)

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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

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

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.

1/29/19 11:24 AM

1/29/19 11:24 AM