GAMMA FUNCTION FOR COMPLEX ARGUMENTS

Table 6.7

$x=2.0$

y	$\mathscr{R} \ln \Gamma(z)$	$\mathscr{I} \ln \Gamma(z)$	y	$\mathscr{R} \ln \Gamma(z)$	$\mathscr{I} \ln \Gamma(z)$
0.0	0.00000 00000 00	0.00000 00000 00	5.0	- 4.50127 58755 42	5.18929 93415 60
0.1	- 0.00322 26151 39	0.04234 57120 74	5.1	- 4.62939 88796 82	5.35533 82031 27
0.2	- 0.01286 59357 41	0.08509 33372 06	5.2	- 4.75805 70222 52	5.52318 54439 62
0.3	- 0.02885 74027 79	0.12863 61223 10	5.3	- 4.88723 13522 76	5.69281 16137 11
0.4	- 0.05107 93722 62	0.17335 05507 97	5.4	- 5.01690 38831 33	5.86418 81052 00
0.5	- 0.07937 37235 30	0.21958 93100 95	5.5	- 5.14705 75299 57	6.03728 71248 73
0.6	- 0.11354 77183 40	0.26767 56897 80	5.6	- 5.27767 60518 81	6.21208 16640 30
0.7	- 0.15338 06308 81	0.31789 96132 02	5.7	- 5.40874 39987 03	6.38854 54709 43
0.8	- 0.19863 06626 31	0.37051 53392 47	5.8	- 5.54024 66615 82	6.56665 30238 56
0.9	- 0.24904 17059 66	0.42574 07261 44	5.9	- 5.67217 00274 24	6.74637 95048 97
1.0	- 0.30434 96090 22	0.48375 78429 30	6.0	- 5.80450 07366 29	6.92770 07748 95
1.1	- 0.36428 77010 76	0.54471 46524 35	6.1	- 5.93722 60439 25	7.11059 33491 13
1.2	- 0.42859 14442 42	0.60872 74700 17	6.2	- 6.07033 37820 31	7.29503 43738 76
1.3	- 0.49700 21701 52	0.67588 39160 88	6.3	- 6.20381 23278 98	7.48100 16040 81
1.4	- 0.56926 99322 58	0.74624 61166 63	6.4	- 6.33765 05713 36	7.66847 33815 76
1.5	- 0.64515 55533 76	0.81985 39537 67	6.5	- 6.47183 78858 22	7.85742 86143 76
1.6	- 0.72443 19760 33	0.89672 82178 63	6.6	- 6.60636 41013 16	8.04784 67567 00
1.7	- 0.80688 50339 42	0.97687 35612 07	6.7	- 6.74121 94789 19	8.23970 77898 07
1.8	- 0.89231 37613 78	1.06028 11909 26	6.8	- 6.87639 46872 45	8.43299 22035 86
1.9	- 0.98053 03476 69	1.14693 12720 53	6.9	- 7.01188 07803 50	8.62768 09788 99
2.0	- 1.07135 98302 14	1.23679 50341 04	7.0	- 7.14766 91771 18	8.82375 55706 27
2.1	- 1.16463 96040 42	1.32983 65907 26	7.1	- 7.28375 16419 82	9.02119 78914 05
2.2	- 1.26021 88108 76	1.42601 44920 94	7.2	- 7.42012 02668 81	9.21999 02960 14
2.3	- 1.35795 76568 48	1.52528 30352 04	7.3	- 7.55676 74543 62	9.42011 55664 09
2.4	- 1.45772 66961 57	1.62759 33595 36	7.4	- 7.69368 59017 46	9.62155 68973 45
2.5	- 1.55940 61080 61	1.73289 43555 35	7.5	- 7.83086 85862 69	9.82429 78825 87
2.6	- 1.66288 49866 52	1.84113 34120 22	7.6	- 7.96830 87511 38	10.02832 25016 83
2.7	- 1.76806 06566 17	1.95225 70264 63	7.7	- 8.10599 98924 36	10.23361 51072 54
2.8	- 1.87483 80234 65	2.06621 12994 71	7.8	- 8.24393 57468 08	10.44016 04128 09
2.9	- 1.98312 89631 02	2.18294 23322 91	7.9	- 8.38211 02798 83	10.64794 34810 35
3.0	- 2.09285 17530 93	2.30239 65434 67	8.0	- 8.52051 76753 67	10.85694 97125 60
3.1	- 2.20393 05460 64	2.42452 09185 18	8.1	- 8.65915 23247 82	11.06716 48351 59
3.2	- 2.31629 48844 77	2.54926 32043 52	8.2	- 8.79800 88177 87	11.27857 48933 86
3.3	- 2.42987 92551 37	2.67657 20582 60	8.3	- 8.93708 19330 47	11.49116 62386 10
3.4	- 2.54462 26813 03	2.80639 71597 50	8.4	- 9.07636 66296 28	11.70492 55194 45
3.5	- 2.66046 83499 73	2.93868 92920 59	8.5	- 9.21585 80388 55	11.91983 96725 52
3.6	- 2.77736 32717 84	3.07340 03990 47	8.6	- 9.35555 14566 37	12.13589 59137 86
3.7	- 2.89525 79709 78	3.21048 36221 88	8.7	- 9.49544 23361 92	12.35308 17297 01
3.8	- 3.01410 62029 30	3.34989 33215 16	8.8	- 9.63552 62811 84	12.57138 48693 62
3.9	- 3.13386 46968 42	3.49158 50837 57	8.9	- 9.77579 90392 11	12.79079 33364 76
4.0	- 3.25449 29213 81	3.63551 57202 41	9.0	- 9.91625 64956 49	13.01129 53818 23
4.1	- 3.37595 28711 45	3.78164 32567 78	9.1	-10.05689 46678 12	13.23287 94959 63
4.2	- 3.49820 88720 59	3.92992 69172 45	9.2	-10.19770 96994 20	13.45553 44022 19
4.3	- 3.62122 74039 03	4.08032 71023 23	9.3	-10.33869 78553 49	13.67924 90499 21
4.4	- 3.74497 69383 89	4.23280 53645 81	9.4	-10.47985 55166 49	13.90401 26078 95
4.5	- 3.86942 77912 99	4.38732 43808 43	9.5	-10.62117 91758 12	14.12981 44581 93
4.6	- 3.99455 19873 65	4.54384 79226 20	9.6	-10.76266 54322 81	14.35664 41900 46
4.7	- 4.12032 31366 90	4.70234 08252 48	9.7	-10.90431 09881 75	14.58449 15940 42
4.8	- 4.24671 63216 20	4.86276 89562 20	9.8	-11.04611 26442 29	14.81334 66565 09
4.9	- 4.37370 79930 87	5.02509 91831 32	9.9	-11.18806 72959 27	15.04319 95540 92
5.0	- 4.50127 58755 42	5.18929 93415 60	10.0	-11.33017 19298 27	15.27404 06485 34