

BESSEL'S tables for computing geodesics 1.

| Arg | $\log \alpha$ | $-\Delta$ | $\log \beta$ | Δ | $\log \gamma$ | Δ | $\log \alpha'$ | $-\Delta$ | $\log \beta'$ | Δ |
|------|---------------|-----------|--------------|----------|---------------|----------|----------------|-----------|---------------|----------|
| 4.4 | 5.314 425 13 | 1 | 3.5124 | 2000 | | | 1.698 970 | 0 | 3.035 | 200 |
| 4.5 | 5.314 425 12 | 0 | 3.7124 | 2000 | | | 1.698 970 | 0 | 3.235 | 200 |
| 4.6 | 5.314 425 12 | 1 | 3.9124 | 2000 | | | 1.698 970 | 0 | 3.435 | 200 |
| 4.7 | 5.314 425 11 | 2 | 2.1124 | 2000 | | | 1.698 970 | 0 | 3.635 | 200 |
| 4.8 | 5.314 425 09 | 3 | 2.3124 | 2000 | | | 1.698 970 | 0 | 3.835 | 200 |
| 4.9 | 5.314 425 06 | 4 | 2.5124 | 2000 | | | 1.698 970 | 0 | 2.035 | 200 |
| 3.0 | 5.314 425 02 | 6 | 2.7124 | 2000 | | | 1.698 970 | 0 | 2.235 | 200 |
| 3.1 | 5.314 424 96 | 10 | 2.9124 | 2000 | | | 1.698 970 | 0 | 2.435 | 200 |
| 3.2 | 5.314 424 86 | 16 | 1.1124 | 2000 | | | 1.698 970 | 0 | 2.635 | 200 |
| 3.3 | 5.314 424 70 | 25 | 1.3124 | 2000 | | | 1.698 970 | 0 | 2.835 | 200 |
| 3.4 | 5.314 424 45 | 40 | 1.5124 | 2000 | | | 1.698 970 | 1 | 1.035 | 200 |
| 3.50 | 5.314 424 05 | 5 | 1.7124 | 200 | | | 1.698 969 | 0 | 1.235 | 20 |
| 3.51 | 5.314 424 00 | 6 | 1.7324 | 200 | | | 1.698 969 | 0 | 1.255 | 20 |
| 3.52 | 5.314 423 94 | 5 | 1.7524 | 200 | | | 1.698 969 | 0 | 1.275 | 20 |
| 3.53 | 5.314 423 89 | 6 | 1.7724 | 200 | | | 1.698 969 | 0 | 1.295 | 20 |
| 3.54 | 5.314 423 83 | 6 | 1.7924 | 200 | | | 1.698 969 | 0 | 1.315 | 20 |
| 3.55 | 5.314 423 77 | 7 | 1.8124 | 200 | | | 1.698 969 | 0 | 1.335 | 20 |
| 3.56 | 5.314 423 70 | 7 | 1.8324 | 200 | | | 1.698 969 | 0 | 1.355 | 20 |
| 3.57 | 5.314 423 63 | 7 | 1.8524 | 200 | | | 1.698 969 | 0 | 1.375 | 20 |
| 3.58 | 5.314 423 56 | 7 | 1.8724 | 200 | | | 1.698 969 | 0 | 1.395 | 20 |
| 3.59 | 5.314 423 49 | 8 | 1.8924 | 200 | | | 1.698 969 | 0 | 1.415 | 20 |
| 3.60 | 5.314 423 41 | 8 | 1.9124 | 200 | | | 1.698 969 | 0 | 1.435 | 20 |
| 3.61 | 5.314 423 33 | 8 | 1.9324 | 200 | | | 1.698 969 | 0 | 1.455 | 20 |
| 3.62 | 5.314 423 25 | 9 | 1.9524 | 200 | | | 1.698 969 | 0 | 1.475 | 20 |
| 3.63 | 5.314 423 16 | 10 | 1.9724 | 200 | | | 1.698 969 | 0 | 1.495 | 20 |
| 3.64 | 5.314 423 06 | 9 | 1.9924 | 200 | | | 1.698 969 | 0 | 1.515 | 20 |
| 3.65 | 5.314 422 97 | 11 | 0.0124 | 200 | | | 1.698 969 | 1 | 1.535 | 20 |
| 3.66 | 5.314 422 86 | 10 | 0.0324 | 200 | | | 1.698 968 | 0 | 1.555 | 20 |
| 3.67 | 5.314 422 76 | 11 | 0.0524 | 200 | | | 1.698 968 | 0 | 1.575 | 20 |
| 3.68 | 5.314 422 65 | 12 | 0.0724 | 200 | | | 1.698 968 | 0 | 1.595 | 20 |
| 3.69 | 5.314 422 53 | 12 | 0.0924 | 200 | | | 1.698 968 | 0 | 1.615 | 20 |
| 3.70 | 5.314 422 41 | 13 | 0.1124 | 200 | | | 1.698 968 | 0 | 1.635 | 20 |
| 3.71 | 5.314 422 28 | 14 | 0.1324 | 200 | | | 1.698 968 | 0 | 1.655 | 20 |
| 3.72 | 5.314 422 14 | 14 | 0.1524 | 200 | | | 1.698 968 | 0 | 1.675 | 20 |
| 3.73 | 5.314 422 00 | 15 | 0.1724 | 200 | | | 1.698 968 | 0 | 1.695 | 20 |
| 3.74 | 5.314 421 85 | 15 | 0.1924 | 200 | | | 1.698 968 | 0 | 1.715 | 20 |
| 3.75 | 5.314 421 70 | 16 | 0.2124 | 200 | | | 1.698 968 | 0 | 1.735 | 20 |
| 3.76 | 5.314 421 54 | 17 | 0.2324 | 200 | | | 1.698 968 | 1 | 1.755 | 20 |
| 3.77 | 5.314 421 37 | 18 | 0.2524 | 200 | | | 1.698 967 | 0 | 1.775 | 20 |
| 3.78 | 5.314 421 19 | 18 | 0.2724 | 200 | | | 1.698 967 | 0 | 1.795 | 20 |
| 3.79 | 5.314 421 01 | 20 | 0.2924 | 200 | | | 1.698 967 | 0 | 1.815 | 20 |
| 3.80 | 5.314 420 81 | 20 | 0.3124 | 200 | | | 1.698 967 | 0 | 1.835 | 20 |
| 3.81 | 5.314 420 61 | 22 | 0.3324 | 200 | | | 1.698 967 | 0 | 1.855 | 20 |
| 3.82 | 5.314 420 39 | 22 | 0.3524 | 200 | | | 1.698 967 | 0 | 1.875 | 20 |
| 3.83 | 5.314 420 17 | 23 | 0.3724 | 200 | | | 1.698 967 | 0 | 1.895 | 20 |
| 3.84 | 5.314 419 94 | 25 | 0.3924 | 200 | | | 1.698 967 | 1 | 1.915 | 20 |
| 3.85 | 5.314 419 69 | 25 | 0.4124 | 200 | | | 1.698 966 | 0 | 1.935 | 20 |
| 3.86 | 5.314 419 44 | 27 | 0.4324 | 200 | | | 1.698 966 | 0 | 1.955 | 20 |
| 3.87 | 5.314 419 17 | 28 | 0.4524 | 200 | | | 1.698 966 | 0 | 1.975 | 20 |
| 3.88 | 5.314 418 89 | 30 | 0.4724 | 200 | | | 1.698 966 | 0 | 1.995 | 20 |
| 3.89 | 5.314 418 59 | 31 | 0.4924 | 200 | | | 1.698 966 | 1 | 0.015 | 20 |
| 3.90 | 5.314 418 28 | | 0.5124 | | | | 1.698 965 | | 0.035 | |

BESSEL'S tables for computing geodesics 2.

| Arg | log α | $-\Delta$ | log β | Δ | log γ | Δ | log α' | $-\Delta$ | log β' | Δ |
|--------------|--------------|-----------|-------------|----------|---------------|----------|-------------------|-----------|--------------|----------|
| $\bar{3}.90$ | 5.314 418 28 | 32 | 0.512 35 | 2000 | | | $\bar{1}.698 965$ | 0 | 0.035 | 20 |
| $\bar{3}.91$ | 5.314 417 96 | 34 | 0.532 35 | 2000 | | | $\bar{1}.698 965$ | 0 | 0.055 | 20 |
| $\bar{3}.92$ | 5.314 417 62 | 35 | 0.552 35 | 2000 | | | $\bar{1}.698 965$ | 0 | 0.075 | 20 |
| $\bar{3}.93$ | 5.314 417 27 | 37 | 0.572 35 | 2000 | | | $\bar{1}.698 965$ | 0 | 0.095 | 20 |
| $\bar{3}.94$ | 5.314 416 90 | 39 | 0.592 35 | 2000 | | | $\bar{1}.698 965$ | 1 | 0.115 | 20 |
| $\bar{3}.95$ | 5.314 416 51 | 41 | 0.612 35 | 2000 | | | $\bar{1}.698 964$ | 0 | 0.135 | 20 |
| $\bar{3}.96$ | 5.314 416 10 | 42 | 0.632 35 | 2000 | | | $\bar{1}.698 964$ | 0 | 0.155 | 20 |
| $\bar{3}.97$ | 5.314 415 68 | 45 | 0.652 35 | 2000 | | | $\bar{1}.698 964$ | 1 | 0.175 | 20 |
| $\bar{3}.98$ | 5.314 415 23 | 47 | 0.672 35 | 1999 | | | $\bar{1}.698 963$ | 0 | 0.195 | 20 |
| $\bar{3}.99$ | 5.314 414 76 | 48 | 0.692 34 | 2000 | | | $\bar{1}.698 963$ | 0 | 0.215 | 20 |
| $\bar{2}.00$ | 5.314 414 28 | 52 | 0.712 34 | 2000 | | | $\bar{1}.698 963$ | 1 | 0.235 | 20 |
| $\bar{2}.01$ | 5.314 413 76 | 53 | 0.732 34 | 2000 | | | $\bar{1}.698 962$ | 0 | 0.255 | 20 |
| $\bar{2}.02$ | 5.314 413 23 | 56 | 0.752 34 | 2000 | | | $\bar{1}.698 962$ | 0 | 0.275 | 20 |
| $\bar{2}.03$ | 5.314 412 67 | 59 | 0.772 34 | 2000 | | | $\bar{1}.698 962$ | 1 | 0.295 | 20 |
| $\bar{2}.04$ | 5.314 412 08 | 61 | 0.792 34 | 2000 | | | $\bar{1}.698 961$ | 0 | 0.315 | 20 |
| $\bar{2}.05$ | 5.314 411 47 | 65 | 0.812 34 | 2000 | | | $\bar{1}.698 961$ | 1 | 0.335 | 20 |
| $\bar{2}.06$ | 5.314 410 82 | 67 | 0.832 34 | 2000 | | | $\bar{1}.698 960$ | 0 | 0.355 | 20 |
| $\bar{2}.07$ | 5.314 410 15 | 71 | 0.852 34 | 1999 | | | $\bar{1}.698 960$ | 0 | 0.375 | 20 |
| $\bar{2}.08$ | 5.314 409 44 | 74 | 0.872 33 | 2000 | | | $\bar{1}.698 960$ | 1 | 0.395 | 20 |
| $\bar{2}.09$ | 5.314 408 70 | 77 | 0.892 33 | 2000 | | | $\bar{1}.698 959$ | 0 | 0.415 | 20 |
| $\bar{2}.10$ | 5.314 407 93 | 81 | 0.912 33 | 2000 | | | $\bar{1}.698 959$ | 1 | 0.435 | 20 |
| $\bar{2}.11$ | 5.314 407 12 | 85 | 0.932 33 | 2000 | | | $\bar{1}.698 958$ | 1 | 0.455 | 20 |
| $\bar{2}.12$ | 5.314 406 27 | 89 | 0.952 33 | 2000 | | | $\bar{1}.698 957$ | 0 | 0.475 | 20 |
| $\bar{2}.13$ | 5.314 405 38 | 93 | 0.972 33 | 1999 | | | $\bar{1}.698 957$ | 1 | 0.495 | 20 |
| $\bar{2}.14$ | 5.314 404 45 | 98 | 0.992 32 | 2000 | | | $\bar{1}.698 956$ | 0 | 0.515 | 20 |
| $\bar{2}.15$ | 5.314 403 47 | 102 | 1.012 32 | 2000 | | | $\bar{1}.698 956$ | 1 | 0.535 | 20 |
| $\bar{2}.16$ | 5.314 402 45 | 107 | 1.032 32 | 2000 | | | $\bar{1}.698 955$ | 1 | 0.555 | 20 |
| $\bar{2}.17$ | 5.314 401 38 | 112 | 1.052 32 | 2000 | | | $\bar{1}.698 954$ | 1 | 0.575 | 20 |
| $\bar{2}.18$ | 5.314 400 26 | 117 | 1.072 32 | 1999 | | | $\bar{1}.698 953$ | 0 | 0.595 | 20 |
| $\bar{2}.19$ | 5.314 399 09 | 123 | 1.092 31 | 2000 | | | $\bar{1}.698 953$ | 1 | 0.615 | 20 |
| $\bar{2}.20$ | 5.314 397 86 | 128 | 1.112 31 | 2000 | | | $\bar{1}.698 952$ | 1 | 0.635 | 20 |
| $\bar{2}.21$ | 5.314 396 58 | 135 | 1.132 31 | 2000 | | | $\bar{1}.698 951$ | 1 | 0.655 | 20 |
| $\bar{2}.22$ | 5.314 395 23 | 141 | 1.152 31 | 1999 | | | $\bar{1}.698 950$ | 1 | 0.675 | 20 |
| $\bar{2}.23$ | 5.314 393 82 | 147 | 1.172 30 | 2000 | | | $\bar{1}.698 949$ | 1 | 0.695 | 20 |
| $\bar{2}.24$ | 5.314 392 35 | 155 | 1.192 30 | 2000 | | | $\bar{1}.698 948$ | 1 | 0.715 | 20 |
| $\bar{2}.25$ | 5.314 390 80 | 162 | 1.212 30 | 1999 | $\bar{4}.207$ | 40 | $\bar{1}.698 947$ | 1 | 0.735 | 20 |
| $\bar{2}.26$ | 5.314 389 18 | 169 | 1.232 29 | 2000 | $\bar{4}.247$ | 40 | $\bar{1}.698 946$ | 1 | 0.755 | 20 |
| $\bar{2}.27$ | 5.314 387 49 | 177 | 1.252 29 | 2000 | $\bar{4}.287$ | 40 | $\bar{1}.698 945$ | 1 | 0.775 | 20 |
| $\bar{2}.28$ | 5.314 385 72 | 186 | 1.272 29 | 1999 | $\bar{4}.327$ | 40 | $\bar{1}.698 944$ | 2 | 0.795 | 20 |
| $\bar{2}.29$ | 5.314 383 86 | 195 | 1.292 28 | 2000 | $\bar{4}.367$ | 40 | $\bar{1}.698 942$ | 1 | 0.815 | 20 |
| $\bar{2}.30$ | 5.314 381 91 | 203 | 1.312 28 | 1999 | $\bar{4}.407$ | 40 | $\bar{1}.698 941$ | 1 | 0.835 | 20 |
| $\bar{2}.31$ | 5.314 379 88 | 213 | 1.332 27 | 2000 | $\bar{4}.447$ | 40 | $\bar{1}.698 940$ | 2 | 0.855 | 20 |
| $\bar{2}.32$ | 5.314 377 75 | 224 | 1.352 27 | 2000 | $\bar{4}.487$ | 40 | $\bar{1}.698 938$ | 1 | 0.875 | 20 |
| $\bar{2}.33$ | 5.314 375 51 | 234 | 1.372 27 | 1999 | $\bar{4}.527$ | 40 | $\bar{1}.698 937$ | 2 | 0.895 | 20 |
| $\bar{2}.34$ | 5.314 373 17 | 244 | 1.392 26 | 2000 | $\bar{4}.567$ | 40 | $\bar{1}.698 935$ | 1 | 0.915 | 20 |
| $\bar{2}.35$ | 5.314 370 73 | 257 | 1.412 26 | 1999 | $\bar{4}.607$ | 40 | $\bar{1}.698 934$ | 2 | 0.935 | 20 |
| $\bar{2}.36$ | 5.314 368 16 | 268 | 1.432 25 | 2000 | $\bar{4}.647$ | 40 | $\bar{1}.698 932$ | 2 | 0.955 | 20 |
| $\bar{2}.37$ | 5.314 365 48 | 281 | 1.452 25 | 1999 | $\bar{4}.687$ | 40 | $\bar{1}.698 930$ | 2 | 0.975 | 20 |
| $\bar{2}.38$ | 5.314 362 67 | 295 | 1.472 24 | 1999 | $\bar{4}.727$ | 40 | $\bar{1}.698 928$ | 2 | 0.995 | 20 |
| $\bar{2}.39$ | 5.314 359 72 | 308 | 1.492 23 | 2000 | $\bar{4}.767$ | 40 | $\bar{1}.698 926$ | 2 | 1.015 | 20 |
| $\bar{2}.40$ | 5.314 356 64 | | 1.512 23 | | $\bar{4}.807$ | | $\bar{1}.698 924$ | | 1.035 | |

BESSEL'S tables for computing geodesics 3.

| Arg | $\log \alpha$ | $-\Delta$ | $\log \beta$ | Δ | $\log \gamma$ | Δ | $\log \alpha'$ | $-\Delta$ | $\log \beta'$ | Δ |
|-------|---------------|-----------|--------------|----------|---------------|----------|----------------|-----------|---------------|----------|
| 2.40 | 5.314 356 64 | 323 | 1.512 23 | 1999 | 4.807 | 40 | 1.698 924 | 2 | 1.035 | 20 |
| 2.41 | 5.314 353 41 | 338 | 1.532 22 | 1999 | 4.847 | 40 | 1.698 922 | 2 | 1.055 | 20 |
| 2.42 | 5.314 350 03 | 353 | 1.552 21 | 2000 | 4.887 | 40 | 1.698 920 | 2 | 1.075 | 20 |
| 2.43 | 5.314 346 50 | 371 | 1.572 21 | 1999 | 4.927 | 40 | 1.698 918 | 3 | 1.095 | 20 |
| 2.44 | 5.314 342 79 | 388 | 1.592 20 | 1999 | 4.967 | 40 | 1.698 915 | 2 | 1.115 | 20 |
| 2.45 | 5.314 338 91 | 406 | 1.612 19 | 1999 | 3.007 | 40 | 1.698 913 | 3 | 1.135 | 20 |
| 2.46 | 5.314 334 85 | 425 | 1.632 18 | 2000 | 3.047 | 40 | 1.698 910 | 3 | 1.155 | 20 |
| 2.47 | 5.314 330 60 | 446 | 1.652 18 | 1999 | 3.087 | 40 | 1.698 907 | 3 | 1.175 | 20 |
| 2.48 | 5.314 326 14 | 466 | 1.672 17 | 1999 | 3.127 | 40 | 1.698 904 | 3 | 1.195 | 20 |
| 2.49 | 5.314 321 48 | 489 | 1.692 16 | 1999 | 3.167 | 40 | 1.698 901 | 3 | 1.215 | 20 |
| 2.50 | 5.314 316 59 | 511 | 1.712 15 | 1999 | 3.207 | 40 | 1.698 898 | 4 | 1.235 | 20 |
| 2.51 | 5.314 311 48 | 535 | 1.732 14 | 1999 | 3.247 | 40 | 1.698 894 | 3 | 1.255 | 20 |
| 2.52 | 5.314 306 13 | 561 | 1.752 13 | 1999 | 3.287 | 40 | 1.698 891 | 4 | 1.275 | 20 |
| 2.53 | 5.314 300 52 | 587 | 1.772 12 | 1998 | 3.327 | 40 | 1.698 887 | 4 | 1.295 | 20 |
| 2.54 | 5.314 294 65 | 615 | 1.792 10 | 1999 | 3.367 | 40 | 1.698 883 | 4 | 1.315 | 20 |
| 2.55 | 5.314 288 50 | 644 | 1.812 09 | 1999 | 3.407 | 40 | 1.698 879 | 4 | 1.335 | 20 |
| 2.56 | 5.314 282 06 | 674 | 1.832 08 | 1999 | 3.447 | 40 | 1.698 875 | 5 | 1.355 | 20 |
| 2.57 | 5.314 275 32 | 705 | 1.852 07 | 1998 | 3.487 | 40 | 1.698 870 | 5 | 1.375 | 20 |
| 2.58 | 5.314 268 27 | 739 | 1.872 05 | 1999 | 3.527 | 40 | 1.698 865 | 4 | 1.395 | 20 |
| 2.59 | 5.314 260 88 | 774 | 1.892 04 | 1998 | 3.567 | 40 | 1.698 861 | 6 | 1.415 | 20 |
| 2.60 | 5.314 253 14 | 810 | 1.912 02 | 1998 | 3.607 | 39 | 1.698 855 | 5 | 1.435 | 20 |
| 2.61 | 5.314 245 04 | 848 | 1.932 00 | 1999 | 3.646 | 40 | 1.698 850 | 6 | 1.455 | 20 |
| 2.62 | 5.314 236 56 | 889 | 1.951 99 | 1998 | 3.686 | 40 | 1.698 844 | 6 | 1.475 | 20 |
| 2.63 | 5.314 227 67 | 930 | 1.971 97 | 1998 | 3.726 | 40 | 1.698 838 | 6 | 1.495 | 20 |
| 2.64 | 5.314 218 37 | 973 | 1.991 95 | 1998 | 3.766 | 40 | 1.698 832 | 6 | 1.515 | 20 |
| 2.65 | 5.314 208 64 | 1020 | 2.011 93 | 1998 | 3.806 | 40 | 1.698 826 | 7 | 1.535 | 20 |
| 2.66 | 5.314 198 44 | 1068 | 2.031 91 | 1998 | 3.846 | 40 | 1.698 819 | 7 | 1.555 | 20 |
| 2.67 | 5.314 187 76 | 1118 | 2.051 89 | 1998 | 3.886 | 40 | 1.698 812 | 8 | 1.575 | 20 |
| 2.68 | 5.314 176 58 | 1170 | 2.071 87 | 1997 | 3.926 | 40 | 1.698 804 | 7 | 1.595 | 20 |
| 2.69 | 5.314 164 88 | 1226 | 2.091 84 | 1998 | 3.966 | 40 | 1.698 797 | 9 | 1.615 | 20 |
| 2.70 | 5.314 152 62 | 1283 | 2.111 82 | 1997 | 2.006 | 40 | 1.698 788 | 8 | 1.635 | 19 |
| 2.71 | 5.314 139 79 | 1344 | 2.131 79 | 1998 | 2.046 | 40 | 1.698 780 | 9 | 1.654 | 20 |
| 2.72 | 5.314 126 35 | 1406 | 2.151 77 | 1997 | 2.086 | 40 | 1.698 771 | 9 | 1.674 | 20 |
| 2.73 | 5.314 112 29 | 1473 | 2.171 74 | 1997 | 2.126 | 40 | 1.698 762 | 10 | 1.694 | 20 |
| 2.74 | 5.314 097 56 | 1543 | 2.191 71 | 1997 | 2.166 | 40 | 1.698 752 | 11 | 1.714 | 20 |
| 2.75 | 5.314 082 13 | 1615 | 2.211 68 | 1997 | 2.206 | 40 | 1.698 741 | 10 | 1.734 | 20 |
| 2.76 | 5.314 065 98 | 1690 | 2.231 65 | 1996 | 2.246 | 40 | 1.698 731 | 12 | 1.754 | 20 |
| 2.77 | 5.314 049 08 | 1771 | 2.251 61 | 1997 | 2.286 | 40 | 1.698 719 | 11 | 1.774 | 20 |
| 2.78 | 5.314 031 37 | 1853 | 2.271 58 | 1996 | 2.326 | 40 | 1.698 708 | 13 | 1.794 | 20 |
| 2.79 | 5.314 012 84 | 1941 | 2.291 54 | 1996 | 2.366 | 39 | 1.698 695 | 13 | 1.814 | 20 |
| 2.800 | 5.313 993 43 | 1004 | 2.311 50 | 998 | 2.405 | 20 | 1.698 682 | 6 | 1.834 | 10 |
| 2.805 | 5.313 983 39 | 1028 | 2.321 48 | 998 | 2.425 | 20 | 1.698 676 | 7 | 1.844 | 10 |
| 2.810 | 5.313 973 11 | 1051 | 2.331 46 | 998 | 2.445 | 20 | 1.698 669 | 7 | 1.854 | 10 |
| 2.815 | 5.313 962 60 | 1076 | 2.341 44 | 998 | 2.465 | 20 | 1.698 662 | 7 | 1.864 | 10 |
| 2.820 | 5.313 951 84 | 1101 | 2.351 42 | 998 | 2.485 | 20 | 1.698 655 | 8 | 1.874 | 10 |
| 2.825 | 5.313 940 83 | 1127 | 2.361 40 | 997 | 2.505 | 20 | 1.698 647 | 7 | 1.884 | 10 |
| 2.830 | 5.313 929 56 | 1152 | 2.371 37 | 998 | 2.525 | 20 | 1.698 640 | 8 | 1.894 | 10 |
| 2.835 | 5.313 918 04 | 1180 | 2.381 35 | 998 | 2.545 | 20 | 1.698 632 | 8 | 1.904 | 10 |
| 2.840 | 5.313 906 24 | 1207 | 2.391 33 | 997 | 2.565 | 20 | 1.698 624 | 8 | 1.914 | 10 |
| 2.845 | 5.313 894 17 | 1234 | 2.401 30 | 998 | 2.585 | 20 | 1.698 616 | 8 | 1.924 | 10 |
| 2.850 | 5.313 881 83 | | 2.411 28 | | 2.605 | | 1.698 608 | | 1.934 | |

BESSEL'S tables for computing geodesics 4.

| Arg | $\log \alpha$ | $-\Delta$ | $\log \beta$ | Δ | $\log \gamma$ | Δ | $\log \alpha'$ | $-\Delta$ | $\log \beta'$ | Δ |
|-------|---------------|-----------|--------------|----------|---------------|----------|----------------|-----------|---------------|----------|
| 2.850 | 5.313 881 83 | 1264 | 2.411 279 | 9974 | 2.605 | 20 | 1.698 608 | 8 | 1.934 | 10 |
| 2.855 | 5.313 869 19 | 1293 | 2.421 253 | 9974 | 2.625 | 20 | 1.698 600 | 9 | 1.944 | 10 |
| 2.860 | 5.313 856 26 | 1323 | 2.431 227 | 9974 | 2.645 | 20 | 1.698 591 | 9 | 1.954 | 10 |
| 2.865 | 5.313 843 03 | 1353 | 2.441 201 | 9973 | 2.665 | 20 | 1.698 582 | 9 | 1.964 | 10 |
| 2.870 | 5.313 829 50 | 1385 | 2.451 174 | 9972 | 2.685 | 20 | 1.698 573 | 9 | 1.974 | 10 |
| 2.875 | 5.313 815 65 | 1417 | 2.461 146 | 9972 | 2.705 | 20 | 1.698 564 | 10 | 1.984 | 10 |
| 2.880 | 5.313 801 48 | 1450 | 2.471 118 | 9971 | 2.725 | 20 | 1.698 554 | 9 | 1.994 | 10 |
| 2.885 | 5.313 786 98 | 1484 | 2.481 089 | 9970 | 2.745 | 20 | 1.698 545 | 10 | 2.004 | 10 |
| 2.890 | 5.313 772 14 | 1518 | 2.491 059 | 9970 | 2.765 | 20 | 1.698 535 | 10 | 2.014 | 9 |
| 2.895 | 5.313 756 96 | 1553 | 2.501 029 | 9969 | 2.785 | 19 | 1.698 525 | 11 | 2.023 | 10 |
| 2.900 | 5.313 741 43 | 1590 | 2.510 998 | 9968 | 2.804 | 20 | 1.698 514 | 10 | 2.033 | 10 |
| 2.905 | 5.313 725 53 | 1626 | 2.520 966 | 9968 | 2.824 | 20 | 1.698 504 | 11 | 2.043 | 10 |
| 2.910 | 5.313 709 27 | 1664 | 2.530 934 | 9966 | 2.844 | 20 | 1.698 493 | 11 | 2.053 | 10 |
| 2.915 | 5.313 692 63 | 1702 | 2.540 900 | 9966 | 2.864 | 20 | 1.698 482 | 11 | 2.063 | 10 |
| 2.920 | 5.313 675 61 | 1742 | 2.550 866 | 9965 | 2.884 | 20 | 1.698 471 | 12 | 2.073 | 10 |
| 2.925 | 5.313 658 19 | 1783 | 2.560 831 | 9965 | 2.904 | 20 | 1.698 459 | 12 | 2.083 | 10 |
| 2.930 | 5.313 640 36 | 1824 | 2.570 796 | 9963 | 2.924 | 20 | 1.698 447 | 12 | 2.093 | 10 |
| 2.935 | 5.313 622 12 | 1866 | 2.580 759 | 9963 | 2.944 | 20 | 1.698 435 | 12 | 2.103 | 10 |
| 2.940 | 5.313 603 46 | 1909 | 2.590 722 | 9962 | 2.964 | 20 | 1.698 423 | 13 | 2.113 | 10 |
| 2.945 | 5.313 584 37 | 1953 | 2.600 684 | 9961 | 2.984 | 20 | 1.698 410 | 13 | 2.123 | 10 |
| 2.950 | 5.313 564 84 | 1999 | 2.610 645 | 9960 | 1.004 | 20 | 1.698 397 | 13 | 2.133 | 10 |
| 2.955 | 5.313 544 85 | 2045 | 2.620 605 | 9959 | 1.024 | 20 | 1.698 384 | 14 | 2.143 | 10 |
| 2.960 | 5.313 524 40 | 2093 | 2.630 564 | 9958 | 1.044 | 20 | 1.698 370 | 14 | 2.153 | 10 |
| 2.965 | 5.313 503 47 | 2141 | 2.640 522 | 9957 | 1.064 | 19 | 1.698 356 | 14 | 2.163 | 10 |
| 2.970 | 5.313 482 06 | 2191 | 2.650 479 | 9956 | 1.083 | 20 | 1.698 342 | 15 | 2.173 | 10 |
| 2.975 | 5.313 460 15 | 2241 | 2.660 435 | 9956 | 1.103 | 20 | 1.698 327 | 15 | 2.183 | 10 |
| 2.980 | 5.313 437 74 | 2293 | 2.670 391 | 9954 | 1.123 | 20 | 1.698 312 | 15 | 2.193 | 10 |
| 2.985 | 5.313 414 81 | 2347 | 2.680 345 | 9953 | 1.143 | 20 | 1.698 297 | 16 | 2.203 | 9 |
| 2.990 | 5.313 391 34 | 2400 | 2.690 298 | 9952 | 1.163 | 20 | 1.698 281 | 15 | 2.212 | 10 |
| 2.995 | 5.313 367 34 | 2457 | 2.700 250 | 9951 | 1.183 | 20 | 1.698 266 | 17 | 2.222 | 10 |
| 1.000 | 5.313 342 77 | 2513 | 2.710 201 | 9950 | 1.203 | 20 | 1.698 249 | 17 | 2.232 | 10 |
| 1.005 | 5.313 317 64 | 2571 | 2.720 151 | 9948 | 1.223 | 20 | 1.698 232 | 17 | 2.242 | 10 |
| 1.010 | 5.313 291 93 | 2631 | 2.730 099 | 9948 | 1.243 | 20 | 1.698 215 | 17 | 2.252 | 10 |
| 1.015 | 5.313 265 62 | 2691 | 2.740 047 | 9946 | 1.263 | 19 | 1.698 198 | 18 | 2.262 | 10 |
| 1.020 | 5.313 238 71 | 2754 | 2.749 993 | 9945 | 1.282 | 20 | 1.698 180 | 18 | 2.272 | 10 |
| 1.025 | 5.313 211 17 | 2818 | 2.759 938 | 9943 | 1.302 | 20 | 1.698 162 | 19 | 2.282 | 10 |
| 1.030 | 5.313 182 99 | 2883 | 2.769 881 | 9943 | 1.322 | 20 | 1.698 143 | 19 | 2.292 | 10 |
| 1.035 | 5.313 154 16 | 2949 | 2.779 824 | 9941 | 1.342 | 20 | 1.698 124 | 20 | 2.302 | 10 |
| 1.040 | 5.313 124 67 | 3018 | 2.789 765 | 9939 | 1.362 | 20 | 1.698 104 | 20 | 2.312 | 10 |
| 1.045 | 5.313 094 49 | 3087 | 2.799 704 | 9939 | 1.382 | 20 | 1.698 084 | 20 | 2.322 | 10 |
| 1.050 | 5.313 063 62 | 3159 | 2.809 643 | 9936 | 1.402 | 20 | 1.698 064 | 21 | 2.332 | 10 |
| 1.055 | 5.313 032 03 | 3232 | 2.819 579 | 9936 | 1.422 | 20 | 1.698 043 | 22 | 2.342 | 9 |
| 1.060 | 5.312 999 71 | 3306 | 2.829 515 | 9934 | 1.442 | 19 | 1.698 021 | 22 | 2.351 | 10 |
| 1.065 | 5.312 966 65 | 3383 | 2.839 449 | 9932 | 1.461 | 20 | 1.697 999 | 22 | 2.361 | 10 |
| 1.070 | 5.312 932 82 | 3460 | 2.849 381 | 9931 | 1.481 | 20 | 1.697 977 | 23 | 2.371 | 10 |
| 1.075 | 5.312 898 22 | 3541 | 2.859 312 | 9929 | 1.501 | 20 | 1.697 954 | 24 | 2.381 | 10 |
| 1.080 | 5.312 862 81 | 3623 | 2.869 241 | 9928 | 1.521 | 20 | 1.697 930 | 24 | 2.391 | 10 |
| 1.085 | 5.312 826 58 | 3706 | 2.879 169 | 9926 | 1.541 | 20 | 1.697 906 | 25 | 2.401 | 10 |
| 1.090 | 5.312 789 52 | 3791 | 2.889 095 | 9924 | 1.561 | 20 | 1.697 881 | 25 | 2.411 | 10 |
| 1.095 | 5.312 751 61 | 3879 | 2.899 019 | 9922 | 1.581 | 19 | 1.697 856 | 26 | 2.421 | 10 |
| 1.100 | 5.312 712 82 | | 2.908 941 | | 1.600 | | 1.697 830 | | 2.431 | |