Information Theory Log Table

p	$\log_2 p$	$p \log_2(1/p)$	$H_2(p) = p \log_2(1/p) + (1-p) \log_2 1/(1-p)$
	-6.643856		
	-5.643856		
	-5.058894		
0.040000	-4.643856	0.185754	0.24229
0.050000	-4.321928	0.216096	0.28639
0.060000	-4.058894	0.243534	0.32744
0.070000	-3.836501	0.268555	0.36592
0.080000	-3.643856	0.291508	0.40217
0.090000	-3.473931	0.312654	0.43647
0.100000	-3.321928	0.332193	0.46899
0.110000	-3.184425	0.350287	0.49991
0.120000	-3.058894	0.367067	0.52936
0.130000	-2.943417	0.382644	0.55743
0.140000	-2.836501	0.397110	0.58423
0.150000	-2.736966	0.410545	0.60984
0.160000	-2.643856	0.423017	0.63431
0.170000	-2.556393	0.434587	0.65770
0.180000	-2.473931	0.445308	0.68007
0.190000	-2.395929	0.455226	0.70147
0.200000	-2.321928	0.464386	0.72192
0.210000	-2.251539	0.472823	0.74148
0.220000	-2.184425	0.480573	0.76016
0.230000	-2.120294	0.487668	0.77801
0.240000	-2.058894	0.494134	0.79504
0.250000	-2.000000	0.500000	0.81127
0.260000	-1.943417	0.505288	0.82674
0.270000	-1.888969	0.510022	0.84146
0.280000	-1.836501	0.514220	0.85545
0.290000	-1.785875	0.517904	0.86872
0.300000	-1.736966	0.521090	0.88129
0.310000	-1.689660	0.523795	0.89317
0.320000	-1.643856	0.526034	0.90438

0.330000 -1.599462 0.527822 0.91492 0.340000 -1.556393 0.529174 0.92481 0.350000 -1.473931 0.530615 0.94268 0.370000 -1.434403 0.530729 0.95067 0.380000 -1.395929 0.530453 0.95804 0.390000 -1.358454 0.529797 0.96480 0.400000 -1.286304 0.527385 0.97650 0.420000 -1.286304 0.527385 0.97650 0.420000 -1.251539 0.525646 0.98145 0.430000 -1.152003 0.514470 0.98958 0.450000 -1.152003 0.511956 0.99740 0.460000 -1.102944 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.000000 0.500209 0.99884 0.490000 -1.00944 0.504282 0.99971 0.50000 -0.971431 0.495430 0.99971 0.550000 -0.988649 0.48				
0.350000 -1.514573 0.530101 0.93406 0.360000 -1.473931 0.530615 0.94268 0.370000 -1.434403 0.530729 0.95067 0.380000 -1.395929 0.530453 0.95804 0.390000 -1.358454 0.529797 0.96480 0.400000 -1.321928 0.528771 0.97095 0.410000 -1.286304 0.527385 0.97650 0.430000 -1.217591 0.525646 0.98145 0.440000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.102294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.029146 0.504282 0.99971 0.500000 -0.971431 0.495430 0.99971 0.500000 -0.915936 0.488446 0.99740 0.540000 -0.888969 0.48043 0.99971 0.500000 -0.862496 0.4	0.330000	-1.599462	0.527822	0.91492
0.360000 -1.473931 0.530615 0.94268 0.370000 -1.434403 0.530729 0.95067 0.380000 -1.395929 0.530453 0.95804 0.390000 -1.358454 0.529797 0.96480 0.400000 -1.286304 0.527385 0.97650 0.420000 -1.251539 0.525646 0.98145 0.430000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.102294 0.51335 0.99537 0.470000 -1.089267 0.511956 0.999740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.00000 0.50000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.862496 0.4885446 0.99740 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.862496 0.474373 0.99277 0.59000 -0.761213 0.468441	0.340000	-1.556393	0.529174	0.92481
0.370000 -1.434403 0.530729 0.95067 0.380000 -1.395929 0.530453 0.95804 0.390000 -1.358454 0.529797 0.96480 0.400000 -1.321928 0.528771 0.97095 0.410000 -1.286304 0.527385 0.97650 0.420000 -1.251539 0.525646 0.98145 0.430000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.102294 0.513355 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.999884 0.490000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.48043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.865875 0.455808 <td>0.350000</td> <td>-1.514573</td> <td>0.530101</td> <td>0.93406</td>	0.350000	-1.514573	0.530101	0.93406
0.380000 -1.395929 0.530453 0.95804 0.390000 -1.358454 0.529797 0.96480 0.400000 -1.286304 0.527385 0.97650 0.420000 -1.251539 0.525646 0.98145 0.430000 -1.217591 0.523564 0.98581 0.440000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.882496 0.474373 0.99277 0.560000 -0.882696 0.45251 <td>0.360000</td> <td>-1.473931</td> <td>0.530615</td> <td>0.94268</td>	0.360000	-1.473931	0.530615	0.94268
0.390000 -1.358454 0.529797 0.96480 0.400000 -1.321928 0.528771 0.97095 0.410000 -1.286304 0.527385 0.97650 0.420000 -1.251539 0.525646 0.98145 0.430000 -1.217591 0.523564 0.98581 0.450000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.102294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.915936 0.485446 0.99740 0.550000 -0.888969 0.48043 0.99537 0.550000 -0.8862496 0.474373 0.99277 0.560000 -0.8862496 0.474373 </td <td>0.370000</td> <td>-1.434403</td> <td>0.530729</td> <td>0.95067</td>	0.370000	-1.434403	0.530729	0.95067
0.400000 -1.321928 0.528771 0.97095 0.410000 -1.286304 0.527385 0.97650 0.420000 -1.251539 0.525646 0.98145 0.430000 -1.217591 0.523564 0.98581 0.440000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.50000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.48043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.886501 0.468441 0.9858 0.570000 -0.810966 0.462251 0.98581 0.590000 -0.761213 0.445251	0.380000	-1.395929	0.530453	0.95804
0.410000 -1.286304 0.527385 0.97650 0.420000 -1.251539 0.525646 0.98145 0.430000 -1.217591 0.523564 0.98581 0.440000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.48043 0.99537 0.550000 -0.888969 0.48043 0.99537 0.550000 -0.880660 0.462251 0.98581 0.570000 -0.810966 0.462251 0.98581 0.590000 -0.761213 0.449116	0.390000	-1.358454	0.529797	0.96480
0.420000 -1.251539 0.525646 0.98145 0.430000 -1.217591 0.523564 0.98581 0.440000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.862496 0.474373 0.99277 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.810966 0.462251 0.98581 0.570000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.610000 -0.736966 0.442179 <td>0.400000</td> <td>-1.321928</td> <td>0.528771</td> <td>0.97095</td>	0.400000	-1.321928	0.528771	0.97095
0.430000 -1.217591 0.523564 0.98581 0.440000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.48043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.886501 0.468441 0.98958 0.570000 -0.785875 0.45808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.736966 0.427589 0.99804 0.620000 -0.666576 0.412068	0.410000	-1.286304	0.527385	0.97650
0.440000 -1.184425 0.521147 0.98958 0.450000 -1.152003 0.518401 0.99277 0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.862496 0.474373 0.99277 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.666576 0.412068 0.995804 0.650000 -0.643856 0.412068 </td <td>0.420000</td> <td>-1.251539</td> <td>0.525646</td> <td>0.98145</td>	0.420000	-1.251539	0.525646	0.98145
0.450000 -1.152003 0.518401 0.99277 0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.668560 0.427589 0.95804 0.630000 -0.643856 0.412068 <td>0.430000</td> <td>-1.217591</td> <td>0.523564</td> <td>0.98581</td>	0.430000	-1.217591	0.523564	0.98581
0.460000 -1.120294 0.515335 0.99537 0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.000000 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.8836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.668560 0.427589 0.95804 0.630000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 </td <td>0.440000</td> <td>-1.184425</td> <td>0.521147</td> <td>0.98958</td>	0.440000	-1.184425	0.521147	0.98958
0.470000 -1.089267 0.511956 0.99740 0.480000 -1.058894 0.508269 0.99884 0.490000 -1.0029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 </td <td>0.450000</td> <td>-1.152003</td> <td>0.518401</td> <td>0.99277</td>	0.450000	-1.152003	0.518401	0.99277
0.480000 -1.058894 0.508269 0.99884 0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.48043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.761213 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.621488 0.403967 0.93406 0.650000 -0.599462 0.395645 0.92481	0.460000	-1.120294	0.515335	0.99537
0.490000 -1.029146 0.504282 0.99971 0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.621488 0.403967 0.93406 0.650000 -0.599462 0.395645 0.92481	0.470000	-1.089267	0.511956	0.99740
0.500000 -1.000000 0.500000 1.00000 0.510000 -0.971431 0.495430 0.99971 0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.480000	-1.058894	0.508269	0.99884
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.490000	-1.029146	0.504282	0.99971
0.520000 -0.943417 0.490577 0.99884 0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.643856 0.419943 0.95067 0.640000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.500000	-1.000000	0.500000	1.00000
0.530000 -0.915936 0.485446 0.99740 0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.621488 0.403967 0.93406 0.650000 -0.599462 0.395645 0.92481	0.510000	-0.971431	0.495430	0.99971
0.540000 -0.888969 0.480043 0.99537 0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.520000	-0.943417	0.490577	0.99884
0.550000 -0.862496 0.474373 0.99277 0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.530000	-0.915936	0.485446	0.99740
0.560000 -0.836501 0.468441 0.98958 0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.540000	-0.888969	0.480043	0.99537
0.570000 -0.810966 0.462251 0.98581 0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.550000	-0.862496	0.474373	0.99277
0.580000 -0.785875 0.455808 0.98145 0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.560000	-0.836501	0.468441	0.98958
0.590000 -0.761213 0.449116 0.97650 0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.570000	-0.810966	0.462251	0.98581
0.600000 -0.736966 0.442179 0.97095 0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.580000	-0.785875	0.455808	0.98145
0.610000 -0.713119 0.435002 0.96480 0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.590000	-0.761213	0.449116	0.97650
0.620000 -0.689660 0.427589 0.95804 0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.600000	-0.736966	0.442179	0.97095
0.630000 -0.666576 0.419943 0.95067 0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.610000	-0.713119	0.435002	0.96480
0.640000 -0.643856 0.412068 0.94268 0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.620000	-0.689660	0.427589	0.95804
0.650000 -0.621488 0.403967 0.93406 0.660000 -0.599462 0.395645 0.92481	0.630000	-0.666576	0.419943	0.95067
0.660000 -0.599462 0.395645 0.92481	0.640000	-0.643856	0.412068	0.94268
	0.650000	-0.621488	0.403967	0.93406
0.670000 -0.577767 0.387104 0.91492	0.660000	-0.599462	0.395645	0.92481
	0.670000	-0.577767	0.387104	0.91492

0.870000 -0.200913 0.174794 0.55743				
0.700000 -0.514573 0.360201 0.88129 0.710000 -0.494109 0.350817 0.86872 0.720000 -0.454032 0.331443 0.84146 0.740000 -0.434403 0.321458 0.82674 0.750000 -0.415037 0.311278 0.81127 0.760000 -0.395929 0.300906 0.79504 0.770000 -0.377070 0.290344 0.77801 0.780000 -0.344075 0.268660 0.74148 0.80000 -0.340075 0.268860 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.286304 0.234769 0.668007 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.55743 0.870000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.104697 0.097369 <td>0.680000</td> <td>-0.556393</td> <td>0.378347</td> <td>0.90438</td>	0.680000	-0.556393	0.378347	0.90438
0.710000 -0.494109 0.350817 0.86872 0.720000 -0.473931 0.341230 0.85545 0.730000 -0.454032 0.331443 0.84146 0.740000 -0.415037 0.311278 0.81127 0.760000 -0.395929 0.300906 0.77504 0.770000 -0.377070 0.290344 0.77801 0.780000 -0.358454 0.279594 0.76016 0.790000 -0.340075 0.268660 0.74148 0.880000 -0.321928 0.257542 0.70147 0.8820000 -0.286304 0.234769 0.68007 0.8830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.6984 0.850000 -0.217591 0.187129 0.55743 0.870000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 </td <td>0.690000</td> <td>-0.535332</td> <td>0.369379</td> <td>0.89317</td>	0.690000	-0.535332	0.369379	0.89317
0.720000 -0.473931 0.341230 0.85545 0.730000 -0.454032 0.331443 0.84146 0.740000 -0.434403 0.321458 0.82674 0.750000 -0.415037 0.311278 0.81127 0.760000 -0.395929 0.300906 0.77504 0.770000 -0.377070 0.290344 0.77801 0.790000 -0.340075 0.268660 0.74148 0.80000 -0.321928 0.257542 0.72192 0.81000 -0.304006 0.246245 0.70147 0.82000 -0.286304 0.234769 0.68007 0.830000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.870000 -0.184425 0.162294 0.52936 0.880000 -0.168123 0.149629 0.49991 0.90000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.40217 0.930000 -0.104697 0.097369	0.700000	-0.514573	0.360201	0.88129
0.730000 -0.454032 0.331443 0.84146 0.740000 -0.434403 0.321458 0.82674 0.750000 -0.415037 0.311278 0.81127 0.760000 -0.395929 0.300906 0.79504 0.770000 -0.377070 0.290344 0.77801 0.780000 -0.358454 0.279594 0.76016 0.790000 -0.340075 0.268660 0.74148 0.800000 -0.321928 0.257542 0.72192 0.810000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.87000 -0.168123 0.149629 0.49991 0.90000 -0.168123 0.149629 0.49991 0.90000 -0.136062 0.123816 0.43647 0.920000 -0.104697 0.097369	0.710000	-0.494109	0.350817	0.86872
0.740000 -0.434403 0.321458 0.82674 0.750000 -0.415037 0.311278 0.81127 0.760000 -0.395929 0.300906 0.79504 0.770000 -0.377070 0.290344 0.77801 0.780000 -0.358454 0.279594 0.76016 0.790000 -0.340075 0.268660 0.74148 0.800000 -0.321928 0.257542 0.72192 0.810000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.217591 0.187129 0.58423 0.870000 -0.217591 0.187129 0.58423 0.870000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.930000 -0.104697 0.097369 <td>0.720000</td> <td>-0.473931</td> <td>0.341230</td> <td>0.85545</td>	0.720000	-0.473931	0.341230	0.85545
0.750000 -0.415037 0.311278 0.81127 0.760000 -0.395929 0.300906 0.79504 0.770000 -0.377070 0.290344 0.77801 0.780000 -0.358454 0.279594 0.76016 0.790000 -0.340075 0.268660 0.74148 0.80000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.60984 0.850000 -0.217591 0.187129 0.58423 0.87000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.152003 0.136803 0.46899 0.910000 -0.152003 0.136803 0.46899 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.0089267 0.083911 0.32744 0.950000 -0.074001 0.0	0.730000	-0.454032	0.331443	0.84146
0.760000 -0.395929 0.300906 0.79504 0.770000 -0.377070 0.290344 0.77801 0.780000 -0.358454 0.279594 0.76016 0.790000 -0.340075 0.268660 0.74148 0.800000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.840000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.870000 -0.200913 0.1474794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.970000 -0.058894 0.056538 </td <td>0.740000</td> <td>-0.434403</td> <td>0.321458</td> <td>0.82674</td>	0.740000	-0.434403	0.321458	0.82674
0.770000 -0.377070 0.290344 0.77801 0.780000 -0.358454 0.279594 0.76016 0.790000 -0.340075 0.268660 0.74148 0.800000 -0.321928 0.257542 0.72192 0.81000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.870000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.168123 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 <td>0.750000</td> <td>-0.415037</td> <td>0.311278</td> <td>0.81127</td>	0.750000	-0.415037	0.311278	0.81127
0.780000 -0.358454 0.279594 0.76016 0.790000 -0.340075 0.268660 0.74148 0.800000 -0.321928 0.257542 0.72192 0.810000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.188425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.970000 -0.058894 0.056538 <td>0.760000</td> <td>-0.395929</td> <td>0.300906</td> <td>0.79504</td>	0.760000	-0.395929	0.300906	0.79504
0.790000 -0.340075 0.268660 0.74148 0.800000 -0.321928 0.257542 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.87000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.152003 0.136803 0.46899 0.910000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 <td>0.770000</td> <td>-0.377070</td> <td>0.290344</td> <td>0.77801</td>	0.770000	-0.377070	0.290344	0.77801
0.800000 -0.321928 0.257542 0.72192 0.810000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.87000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 <td>0.780000</td> <td>-0.358454</td> <td>0.279594</td> <td>0.76016</td>	0.780000	-0.358454	0.279594	0.76016
0.810000 -0.304006 0.246245 0.70147 0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.790000	-0.340075	0.268660	0.74148
0.820000 -0.286304 0.234769 0.68007 0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.800000	-0.321928	0.257542	0.72192
0.830000 -0.268817 0.223118 0.65770 0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.810000	-0.304006	0.246245	0.70147
0.840000 -0.251539 0.211293 0.63431 0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.820000	-0.286304	0.234769	0.68007
0.850000 -0.234465 0.199295 0.60984 0.860000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.830000	-0.268817	0.223118	0.65770
0.860000 -0.217591 0.187129 0.58423 0.870000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.840000	-0.251539	0.211293	0.63431
0.870000 -0.200913 0.174794 0.55743 0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.850000	-0.234465	0.199295	0.60984
0.880000 -0.184425 0.162294 0.52936 0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.860000	-0.217591	0.187129	0.58423
0.890000 -0.168123 0.149629 0.49991 0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.870000	-0.200913	0.174794	0.55743
0.900000 -0.152003 0.136803 0.46899 0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.880000	-0.184425	0.162294	0.52936
0.910000 -0.136062 0.123816 0.43647 0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.890000	-0.168123	0.149629	0.49991
0.920000 -0.120294 0.110671 0.40217 0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.900000	-0.152003	0.136803	0.46899
0.930000 -0.104697 0.097369 0.36592 0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.910000	-0.136062	0.123816	0.43647
0.940000 -0.089267 0.083911 0.32744 0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.920000	-0.120294	0.110671	0.40217
0.950000 -0.074001 0.070301 0.28639 0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.930000	-0.104697	0.097369	0.36592
0.960000 -0.058894 0.056538 0.24229 0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.940000	-0.089267	0.083911	0.32744
0.970000 -0.043943 0.042625 0.19439 0.980000 -0.029146 0.028563 0.14144	0.950000	-0.074001	0.070301	0.28639
0.980000 -0.029146 0.028563 0.14144	0.960000	-0.058894	0.056538	0.24229
	0.970000	-0.043943	0.042625	0.19439
0.990000 -0.014500 0.014355 0.08079	0.980000	-0.029146	0.028563	0.14144
	0.990000	-0.014500	0.014355	0.08079