

LoopSheet B**SpiroChart Collection 1.6**

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This spreadsheet follows a point on one circle spinning around another.

CHANGE THESE TO ANY VALUE**(POSITIVE, NEGATIVE, DECIMAL)**

-15 =q. This number controls number of loops in completed pattern. Negative number inverts loops.

1.1 =r_o. Value of major radius.

0.6 =r_1. Value of minor radius.

90 =Number of degrees figure rotated counterclockwise.

10 <--Increase to add loops to an incomplete spiral or make jagged figure.

Decrease to make chart appear less jagged.

Theta_o (degrees)	x_o (coord)	y_o (coord)	Theta_1 (degrees)	x_1 (coord)	y_1 (coord)	X plot	Y plot	X rotate	Y rotate
0.00	1.1000	0.0000	0.0	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
10.00	1.0833	0.1910	-140.0	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
20.00	1.0337	0.3762	-280.0	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
30.00	0.9526	0.5500	-420.0	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
40.00	0.8426	0.7071	-560.0	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
50.00	0.7071	0.8426	-700.0	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
60.00	0.5500	0.9526	-840.0	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
70.00	0.3762	1.0337	-980.0	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
80.00	0.1910	1.0833	-1120.0	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
90.00	0.0000	1.1000	-1260.0	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
100.00	-0.1910	1.0833	-1400.0	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
110.00	-0.3762	1.0337	-1540.0	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
120.00	-0.5500	0.9526	-1680.0	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
130.00	-0.7071	0.8426	-1820.0	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
140.00	-0.8426	0.7071	-1960.0	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
150.00	-0.9526	0.5500	-2100.0	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
160.00	-1.0337	0.3762	-2240.0	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
170.00	-1.0833	0.1910	-2380.0	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
180.00	-1.1000	0.0000	-2520.0	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
190.00	-1.0833	-0.1910	-2660.0	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
200.00	-1.0337	-0.3762	-2800.0	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
210.00	-0.9526	-0.5500	-2940.0	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
220.00	-0.8426	-0.7071	-3080.0	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065

230.00	-0.7071	-0.8426	-3220.0	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
240.00	-0.5500	-0.9526	-3360.0	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
250.00	-0.3762	-1.0337	-3500.0	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
260.00	-0.1910	-1.0833	-3640.0	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
270.00	0.0000	-1.1000	-3780.0	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
280.00	0.1910	-1.0833	-3920.0	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
290.00	0.3762	-1.0337	-4060.0	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
300.00	0.5500	-0.9526	-4200.0	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
310.00	0.7071	-0.8426	-4340.0	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
320.00	0.8426	-0.7071	-4480.0	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
330.00	0.9526	-0.5500	-4620.0	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
340.00	1.0337	-0.3762	-4760.0	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
350.00	1.0833	-0.1910	-4900.0	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
360.00	1.1000	0.0000	-5040.0	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
370.00	1.0833	0.1910	-5180.0	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
380.00	1.0337	0.3762	-5320.0	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
390.00	0.9526	0.5500	-5460.0	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
400.00	0.8426	0.7071	-5600.0	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
410.00	0.7071	0.8426	-5740.0	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
420.00	0.5500	0.9526	-5880.0	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
430.00	0.3762	1.0337	-6020.0	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
440.00	0.1910	1.0833	-6160.0	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
450.00	0.0000	1.1000	-6300.0	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
460.00	-0.1910	1.0833	-6440.0	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
470.00	-0.3762	1.0337	-6580.0	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
480.00	-0.5500	0.9526	-6720.0	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
490.00	-0.7071	0.8426	-6860.0	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
500.00	-0.8426	0.7071	-7000.0	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
510.00	-0.9526	0.5500	-7140.0	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
520.00	-1.0337	0.3762	-7280.0	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
530.00	-1.0833	0.1910	-7420.0	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
540.00	-1.1000	0.0000	-7560.0	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
550.00	-1.0833	-0.1910	-7700.0	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
560.00	-1.0337	-0.3762	-7840.0	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
570.00	-0.9526	-0.5500	-7980.0	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
580.00	-0.8426	-0.7071	-8120.0	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
590.00	-0.7071	-0.8426	-8260.0	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
600.00	-0.5500	-0.9526	-8400.0	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
610.00	-0.3762	-1.0337	-8540.0	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
620.00	-0.1910	-1.0833	-8680.0	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
630.00	0.0000	-1.1000	-8820.0	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
640.00	0.1910	-1.0833	-8960.0	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
650.00	0.3762	-1.0337	-9100.0	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
660.00	0.5500	-0.9526	-9240.0	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500

670.00	0.7071	-0.8426	-9380.0	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
680.00	0.8426	-0.7071	-9520.0	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
690.00	0.9526	-0.5500	-9660.0	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
700.00	1.0337	-0.3762	-9800.0	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
710.00	1.0833	-0.1910	-9940.0	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
720.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
730.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
740.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
750.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
760.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
770.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
780.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
790.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
800.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
810.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
820.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
830.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
840.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
850.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
860.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
870.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
880.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
890.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
900.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
910.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
920.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
930.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
940.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
950.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
960.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
970.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
980.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
990.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
1000.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
1010.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
1020.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
1030.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
1040.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
1050.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
1060.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
1070.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
1080.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
1090.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
1100.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379

1110.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
1120.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
1130.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
1140.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
1150.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
1160.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
1170.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
1180.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
1190.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
1200.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
1210.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
1220.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
1230.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
1240.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
1250.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
1260.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
1270.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
1280.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
1290.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
1300.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
1310.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
1320.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
1330.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
1340.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
1350.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
1360.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
1370.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
1380.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
1390.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
1400.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
1410.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
1420.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
1430.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
1440.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
1450.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
1460.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
1470.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
1480.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
1490.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
1500.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
1510.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
1520.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
1530.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
1540.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686

1550.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
1560.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
1570.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
1580.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
1590.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
1600.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
1610.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
1620.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
1630.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
1640.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
1650.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
1660.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
1670.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
1680.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
1690.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
1700.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
1710.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
1720.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
1730.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
1740.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
1750.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
1760.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
1770.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
1780.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
1790.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
1800.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
1810.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
1820.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
1830.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
1840.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
1850.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
1860.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
1870.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
1880.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
1890.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
1900.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
1910.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
1920.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
1930.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
1940.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
1950.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
1960.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
1970.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
1980.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000

1990.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
2000.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
2010.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
2020.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
2030.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
2040.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
2050.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
2060.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
2070.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
2080.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
2090.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
2100.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
2110.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
2120.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
2130.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
2140.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
2150.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
2160.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
2170.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
2180.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
2190.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
2200.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
2210.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
2220.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
2230.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
2240.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
2250.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
2260.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
2270.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
2280.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
2290.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
2300.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
2310.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
2320.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
2330.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
2340.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
2350.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
2360.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
2370.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
2380.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
2390.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
2400.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
2410.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
2420.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686

2430.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
2440.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
2450.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
2460.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
2470.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
2480.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
2490.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
2500.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
2510.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
2520.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
2530.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
2540.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
2550.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
2560.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
2570.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
2580.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
2590.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
2600.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
2610.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
2620.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
2630.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
2640.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
2650.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
2660.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
2670.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
2680.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
2690.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
2700.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
2710.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
2720.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
2730.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
2740.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
2750.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
2760.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
2770.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
2780.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
2790.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
2800.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
2810.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
2820.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
2830.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
2840.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
2850.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
2860.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379

2870.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
2880.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
2890.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
2900.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
2910.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
2920.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
2930.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
2940.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
2950.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
2960.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
2970.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
2980.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
2990.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
3000.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
3010.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
3020.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
3030.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
3040.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
3050.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
3060.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
3070.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
3080.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
3090.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
3100.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
3110.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
3120.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
3130.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
3140.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
3150.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
3160.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
3170.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
3180.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
3190.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
3200.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
3210.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
3220.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
3230.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
3240.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
3250.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
3260.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
3270.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
3280.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
3290.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
3300.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500

3310.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
3320.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
3330.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
3340.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
3350.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
3360.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
3370.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
3380.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
3390.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
3400.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
3410.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
3420.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
3430.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
3440.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
3450.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
3460.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
3470.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
3480.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
3490.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
3500.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
3510.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
3520.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
3530.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
3540.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
3550.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
3560.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
3570.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
3580.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
3590.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
3600.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
3610.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
3620.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
3630.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
3640.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
3650.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
3660.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
3670.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
3680.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
3690.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
3700.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
3710.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
3720.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
3730.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
3740.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065

3750.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
3760.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
3770.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
3780.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
3790.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
3800.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
3810.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
3820.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
3830.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
3840.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
3850.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
3860.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
3870.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
3880.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
3890.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
3900.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
3910.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
3920.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
3930.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
3940.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
3950.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
3960.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
3970.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
3980.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
3990.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
4000.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
4010.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
4020.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
4030.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
4040.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
4050.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
4060.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
4070.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
4080.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
4090.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
4100.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
4110.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
4120.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
4130.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
4140.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
4150.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
4160.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
4170.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
4180.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065

4190.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
4200.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
4210.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
4220.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
4230.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
4240.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
4250.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
4260.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
4270.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
4280.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
4290.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
4300.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
4310.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
4320.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
4330.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
4340.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
4350.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
4360.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
4370.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
4380.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
4390.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
4400.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
4410.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
4420.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
4430.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
4440.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
4450.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
4460.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
4470.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
4480.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
4490.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
4500.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
4510.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
4520.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
4530.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
4540.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
4550.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
4560.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
4570.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
4580.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
4590.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
4600.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
4610.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
4620.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500

4630.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
4640.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
4650.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
4660.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
4670.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
4680.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
4690.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
4700.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
4710.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
4720.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
4730.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
4740.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
4750.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
4760.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
4770.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
4780.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
4790.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
4800.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
4810.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
4820.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
4830.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
4840.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
4850.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
4860.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
4870.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
4880.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
4890.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
4900.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
4910.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
4920.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
4930.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
4940.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
4950.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
4960.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
4970.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
4980.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
4990.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
5000.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
5010.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
5020.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
5030.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
5040.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
5050.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
5060.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379

5070.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
5080.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
5090.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
5100.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
5110.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
5120.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
5130.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
5140.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
5150.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
5160.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
5170.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
5180.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
5190.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
5200.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
5210.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
5220.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
5230.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
5240.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
5250.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
5260.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
5270.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
5280.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
5290.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
5300.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
5310.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
5320.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
5330.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
5340.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
5350.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
5360.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
5370.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
5380.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
5390.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
5400.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
5410.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
5420.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
5430.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
5440.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
5450.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
5460.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
5470.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
5480.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
5490.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
5500.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686

5510.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
5520.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
5530.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
5540.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
5550.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
5560.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
5570.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
5580.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
5590.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
5600.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
5610.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
5620.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
5630.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
5640.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
5650.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
5660.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
5670.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
5680.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
5690.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
5700.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
5710.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
5720.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
5730.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
5740.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
5750.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
5760.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
5770.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
5780.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
5790.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
5800.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
5810.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
5820.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
5830.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
5840.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
5850.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
5860.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
5870.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
5880.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
5890.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
5900.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
5910.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
5920.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
5930.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
5940.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000

5950.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
5960.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
5970.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
5980.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
5990.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
6000.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
6010.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
6020.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
6030.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
6040.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
6050.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
6060.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
6070.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
6080.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
6090.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
6100.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
6110.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
6120.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
6130.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
6140.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
6150.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
6160.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
6170.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
6180.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
6190.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
6200.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
6210.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
6220.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
6230.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
6240.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
6250.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
6260.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
6270.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
6280.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
6290.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
6300.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
6310.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
6320.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
6330.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
6340.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
6350.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
6360.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
6370.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
6380.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686

6390.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
6400.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
6410.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
6420.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
6430.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
6440.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
6450.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
6460.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
6470.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
6480.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
6490.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
6500.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
6510.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
6520.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
6530.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
6540.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
6550.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
6560.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
6570.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
6580.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
6590.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
6600.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
6610.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
6620.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
6630.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
6640.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
6650.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
6660.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
6670.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
6680.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
6690.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
6700.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
6710.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
6720.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
6730.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
6740.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
6750.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
6760.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
6770.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
6780.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
6790.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
6800.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
6810.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
6820.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379

6830.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
6840.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000
6850.00	1.0833	0.1910	###	-0.4596	-0.3857	0.6237	-0.1947	0.1947	0.6237
6860.00	1.0337	0.3762	###	0.1042	0.5909	1.1379	0.9671	-0.9671	1.1379
6870.00	0.9526	0.5500	###	0.3000	-0.5196	1.2526	0.0304	-0.0304	1.2526
6880.00	0.8426	0.7071	###	-0.5638	0.2052	0.2788	0.9123	-0.9123	0.2788
6890.00	0.7071	0.8426	###	0.5638	0.2052	1.2709	1.0479	-1.0479	1.2709
6900.00	0.5500	0.9526	###	-0.3000	-0.5196	0.2500	0.4330	-0.4330	0.2500
6910.00	0.3762	1.0337	###	-0.1042	0.5909	0.2720	1.6245	-1.6245	0.2720
6920.00	0.1910	1.0833	###	0.4596	-0.3857	0.6506	0.6976	-0.6976	0.6506
6930.00	0.0000	1.1000	###	-0.6000	0.0000	-0.6000	1.1000	-1.1000	-0.6000
6940.00	-0.1910	1.0833	###	0.4596	0.3857	0.2686	1.4690	-1.4690	0.2686
6950.00	-0.3762	1.0337	###	-0.1042	-0.5909	-0.4804	0.4428	-0.4428	-0.4804
6960.00	-0.5500	0.9526	###	-0.3000	0.5196	-0.8500	1.4722	-1.4722	-0.8500
6970.00	-0.7071	0.8426	###	0.5638	-0.2052	-0.1433	0.6374	-0.6374	-0.1433
6980.00	-0.8426	0.7071	###	-0.5638	-0.2052	-1.4065	0.5019	-0.5019	-1.4065
6990.00	-0.9526	0.5500	###	0.3000	0.5196	-0.6526	1.0696	-1.0696	-0.6526
7000.00	-1.0337	0.3762	###	0.1042	-0.5909	-0.9295	-0.2147	0.2147	-0.9295
7010.00	-1.0833	0.1910	###	-0.4596	0.3857	-1.5429	0.5767	-0.5767	-1.5429
7020.00	-1.1000	0.0000	###	0.6000	0.0000	-0.5000	0.0000	0.0000	-0.5000
7030.00	-1.0833	-0.1910	###	-0.4596	-0.3857	-1.5429	-0.5767	0.5767	-1.5429
7040.00	-1.0337	-0.3762	###	0.1042	0.5909	-0.9295	0.2147	-0.2147	-0.9295
7050.00	-0.9526	-0.5500	###	0.3000	-0.5196	-0.6526	-1.0696	1.0696	-0.6526
7060.00	-0.8426	-0.7071	###	-0.5638	0.2052	-1.4065	-0.5019	0.5019	-1.4065
7070.00	-0.7071	-0.8426	###	0.5638	0.2052	-0.1433	-0.6374	0.6374	-0.1433
7080.00	-0.5500	-0.9526	###	-0.3000	-0.5196	-0.8500	-1.4722	1.4722	-0.8500
7090.00	-0.3762	-1.0337	###	-0.1042	0.5909	-0.4804	-0.4428	0.4428	-0.4804
7100.00	-0.1910	-1.0833	###	0.4596	-0.3857	0.2686	-1.4690	1.4690	0.2686
7110.00	0.0000	-1.1000	###	-0.6000	0.0000	-0.6000	-1.1000	1.1000	-0.6000
7120.00	0.1910	-1.0833	###	0.4596	0.3857	0.6506	-0.6976	0.6976	0.6506
7130.00	0.3762	-1.0337	###	-0.1042	-0.5909	0.2720	-1.6245	1.6245	0.2720
7140.00	0.5500	-0.9526	###	-0.3000	0.5196	0.2500	-0.4330	0.4330	0.2500
7150.00	0.7071	-0.8426	###	0.5638	-0.2052	1.2709	-1.0479	1.0479	1.2709
7160.00	0.8426	-0.7071	###	-0.5638	-0.2052	0.2788	-0.9123	0.9123	0.2788
7170.00	0.9526	-0.5500	###	0.3000	0.5196	1.2526	-0.0304	0.0304	1.2526
7180.00	1.0337	-0.3762	###	0.1042	-0.5909	1.1379	-0.9671	0.9671	1.1379
7190.00	1.0833	-0.1910	###	-0.4596	0.3857	0.6237	0.1947	-0.1947	0.6237
7200.00	1.1000	0.0000	###	0.6000	0.0000	1.7000	0.0000	0.0000	1.7000