

	theta error	theta result	d error	d result	r error	r result	alpha error	alpha result
0	0.0	0.0	0.0	0.0	0.0	0.0	-1.5707963267948966	-1.5707963267948966
1	0.0	1.5518660264339207e-16	0.0	3.93524140976525e-17	0.0	4.633050968498182e-16	1.5707963267948966	1.5707963267948966
2	0.0	-1.564671552146124e-16	0.0	4.894149716274481e-16	0.42	0.41999999999999954	-1.5707963267948966	-1.5707963267948966
3	0.0	-2.2866794415580423e-17	0.0	-3.6315066734046863e-16	0.0	4.0007903640854177e-16	-1.5707963267948966	-1.5707963267948966
4	0.0	1.4017094451999445e-16	0.0	2.4315300558056886e-16	0.4	0.39999999999999997	1.5707963267948966	1.5707963267948966
5	0.0	-1.8625368015605547e-16	0.0	-2.909771017221574e-16	0.0	2.2591126133519986e-16	1.5707963267948966	1.5707963267948966
6	0.0	0.0	0.0	0.0	0.281	0.281	-1.5707963267948966	-1.5707963267948966
7	1.5707963267948966	1.5707963267948966	0.0	0.0	0.0	0.0	1.5707963267948966	1.5707963267948966