

Tabela 1: Współrzędne przegubowe i współrzędne efektora w przestrzeni zadaniowej

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	0	0	0	0	0	475.	0.	375.
0	0	0	0	$\frac{\pi}{6}$	0	464.282	0.	415.
0	0	0	0	$\frac{\pi}{4}$	0	451.569	0.	431.569
0	0	0	0	$\frac{\pi}{3}$	0	435.	0.	444.282
0	0	0	0	$\frac{\pi}{2}$	0	395.	0.	455.
0	0	0	$\frac{\pi}{6}$	0	0	475.	0.	375.
0	0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	464.282	20.	409.641
0	0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	451.569	28.2843	423.99
0	0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	435.	34.641	435.
0	0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	395.	40.	444.282
0	0	0	$\frac{\pi}{4}$	0	0	475.	0.	375.
0	0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	464.282	28.2843	403.284
0	0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	451.569	40.	415.
0	0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	435.	48.9898	423.99
0	0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	395.	56.5685	431.569
0	0	0	$\frac{\pi}{3}$	0	0	475.	0.	375.
0	0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	464.282	34.641	395.
0	0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	451.569	48.9898	403.284
0	0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	435.	60.	409.641
0	0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	395.	69.282	415.
0	0	0	$\frac{\pi}{2}$	0	0	475.	0.	375.
0	0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	464.282	40.	375.
0	0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	451.569	56.5685	375.
0	0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	435.	69.282	375.
0	0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	395.	80.	375.
0	0	$\frac{\pi}{6}$	0	0	0	383.91	0.	564.952
0	0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	354.628	0.	594.234
0	0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	335.334	0.	602.226
0	0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	314.628	0.	604.952
0	0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	274.628	0.	594.234
0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	383.91	0.	564.952
0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	357.308	20.	589.593
0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	339.123	28.2843	595.663
0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	319.269	34.641	596.913
0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	279.987	40.	584.952
0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	383.91	0.	564.952
0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	360.486	28.2843	584.088
0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	343.618	40.	587.877
0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	324.774	48.9898	587.378
0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	286.344	56.5685	573.942
0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	383.91	0.	564.952

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	364.628	34.641	576.913
0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	349.476	48.9898	577.731
0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	331.949	60.	574.952
0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	294.628	69.282	559.593
0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	383.91	0.	564.952
0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	374.628	40.	559.593
0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	363.618	56.5685	553.236
0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	349.269	69.282	544.952
0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	314.628	80.	524.952
0	0	$\frac{\pi}{4}$	0	0	0	304.81	0.	635.876
0	0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	268.947	0.	656.581
0	0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	248.241	0.	659.307
0	0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	227.536	0.	656.581
0	0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	191.673	0.	635.876
0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	304.81	0.	635.876
0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	272.736	20.	652.792
0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	253.6	28.2843	653.948
0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	234.099	34.641	650.018
0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	199.251	40.	628.297
0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	304.81	0.	635.876
0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	277.231	28.2843	648.297
0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	259.957	40.	647.591
0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	241.884	48.9898	642.232
0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	208.241	56.5685	619.307
0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	304.81	0.	635.876
0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	283.089	34.641	642.439
0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	268.241	48.9898	639.307
0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	252.031	60.	632.086
0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	219.957	69.282	607.591
0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	304.81	0.	635.876
0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	297.231	40.	628.297
0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	288.241	56.5685	619.307
0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	276.525	69.282	607.591
0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	248.241	80.	579.307
0	0	$\frac{\pi}{3}$	0	0	0	210.048	0.	683.91
0	0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	170.048	0.	694.628
0	0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	149.343	0.	691.902
0	0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	130.048	0.	683.91
0	0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	100.766	0.	654.628
0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	210.048	0.	683.91
0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	174.689	20.	691.949
0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	155.906	28.2843	688.113
0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	138.087	34.641	679.269

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	110.048	40.	649.269
0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	210.048	0.	683.91
0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	180.194	28.2843	688.77
0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	163.691	40.	683.618
0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	147.622	48.9898	673.764
0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	121.058	56.5685	642.912
0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	210.048	0.	683.91
0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	187.369	34.641	684.628
0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	173.837	48.9898	677.76
0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	160.048	60.	666.59
0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	135.407	69.282	634.628
0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	210.048	0.	683.91
0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	204.689	40.	674.628
0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	198.332	56.5685	663.618
0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	190.048	69.282	649.269
0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	170.048	80.	614.628
0	0	$\frac{\pi}{2}$	0	0	0	0.	0.	700.
0	0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	-40.	0.	689.282
0	0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	-56.5685	0.	676.569
0	0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	-69.282	0.	660.
0	0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	-80.	0.	620.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	0.	700.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-34.641	20.	689.282
0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-48.9898	28.2843	676.569
0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-60.	34.641	660.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-69.282	40.	620.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	0.	700.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	28.2843	689.282
0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	40.	676.569
0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	48.9898	660.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	56.5685	620.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	0.	700.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-20.	34.641	689.282
0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-28.2843	48.9898	676.569
0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-34.641	60.	660.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-40.	69.282	620.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	0.	700.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0.	40.	689.282
0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0.	56.5685	676.569
0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0.	69.282	660.
0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0.	80.	620.
0	$\frac{\pi}{6}$	0	0	0	0	625.	0.	334.808
0	$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	0	614.282	0.	374.808

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	0	601.569	0.	391.376
0	$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	0	585.	0.	404.09
0	$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	0	545.	0.	414.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0	625.	0.	334.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	614.282	20.	369.449
0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	601.569	28.2843	383.797
0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	585.	34.641	394.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	545.	40.	404.09
0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0	625.	0.	334.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	614.282	28.2843	363.092
0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	601.569	40.	374.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	585.	48.9898	383.797
0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	545.	56.5685	391.376
0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0	625.	0.	334.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	614.282	34.641	354.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	601.569	48.9898	363.092
0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	585.	60.	369.449
0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	545.	69.282	374.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0	625.	0.	334.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	614.282	40.	334.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	601.569	56.5685	334.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	585.	69.282	334.808
0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	545.	80.	334.808
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0	533.91	0.	524.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	504.628	0.	554.042
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	485.334	0.	562.034
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	464.628	0.	564.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	424.628	0.	554.042
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	533.91	0.	524.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	507.308	20.	549.401
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	489.123	28.2843	555.47
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	469.269	34.641	556.721
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	429.987	40.	544.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	533.91	0.	524.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	510.486	28.2843	543.895
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	493.618	40.	547.685
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	474.774	48.9898	547.186
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	436.344	56.5685	533.749
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	533.91	0.	524.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	514.628	34.641	536.721
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	499.476	48.9898	537.539
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	481.949	60.	534.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	444.628	69.282	519.401

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	533.91	0.	524.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	524.628	40.	519.401
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	513.618	56.5685	513.044
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	499.269	69.282	504.76
0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	464.628	80.	484.76
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0	454.81	0.	595.683
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	418.947	0.	616.389
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	398.241	0.	619.115
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	377.536	0.	616.389
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	341.673	0.	595.683
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	454.81	0.	595.683
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	422.736	20.	612.599
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	403.6	28.2843	613.756
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	384.099	34.641	609.825
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	349.251	40.	588.105
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	454.81	0.	595.683
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	427.231	28.2843	608.105
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	409.957	40.	607.399
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	391.884	48.9898	602.04
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	358.241	56.5685	579.115
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	454.81	0.	595.683
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	433.089	34.641	602.247
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	418.241	48.9898	599.115
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	402.031	60.	591.894
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	369.957	69.282	567.399
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	454.81	0.	595.683
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	447.231	40.	588.105
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	438.241	56.5685	579.115
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	426.525	69.282	567.399
0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	398.241	80.	539.115
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0	360.048	0.	643.718
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	320.048	0.	654.436
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	299.343	0.	651.71
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	280.048	0.	643.718
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	250.766	0.	614.436
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	360.048	0.	643.718
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	324.689	20.	651.756
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	305.906	28.2843	647.92
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	288.087	34.641	639.077
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	260.048	40.	609.077
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	360.048	0.	643.718
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	330.194	28.2843	648.578
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	313.691	40.	643.426

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	297.622	48.9898	633.572
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	271.058	56.5685	602.72
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	360.048	0.	643.718
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	337.369	34.641	644.436
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	323.837	48.9898	637.568
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	310.048	60.	626.397
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	285.407	69.282	594.436
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	360.048	0.	643.718
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	354.689	40.	634.436
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	348.332	56.5685	623.426
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	340.048	69.282	609.077
0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	320.048	80.	574.436
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0	150.	0.	659.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	110.	0.	649.09
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	93.4315	0.	636.376
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	80.718	0.	619.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	70.	0.	579.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	150.	0.	659.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	115.359	20.	649.09
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	101.01	28.2843	636.376
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	90.	34.641	619.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	80.718	40.	579.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	150.	0.	659.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	121.716	28.2843	649.09
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	110.	40.	636.376
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	101.01	48.9898	619.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	93.4315	56.5685	579.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	150.	0.	659.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	130.	34.641	649.09
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	121.716	48.9898	636.376
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	115.359	60.	619.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	110.	69.282	579.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	150.	0.	659.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	150.	40.	649.09
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	150.	56.5685	636.376
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	150.	69.282	619.808
0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	150.	80.	579.808
0	$\frac{\pi}{4}$	0	0	0	0	687.132	0.	287.132
0	$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	0	676.414	0.	327.132
0	$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	0	663.701	0.	343.701
0	$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	0	647.132	0.	356.414
0	$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	0	607.132	0.	367.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0	687.132	0.	287.132

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	676.414	20.	321.773
0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	663.701	28.2843	336.122
0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	647.132	34.641	347.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	607.132	40.	356.414
0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0	687.132	0.	287.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	676.414	28.2843	315.416
0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	663.701	40.	327.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	647.132	48.9898	336.122
0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	607.132	56.5685	343.701
0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0	687.132	0.	287.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	676.414	34.641	307.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	663.701	48.9898	315.416
0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	647.132	60.	321.773
0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	607.132	69.282	327.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0	687.132	0.	287.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	676.414	40.	287.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	663.701	56.5685	287.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	647.132	69.282	287.132
0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	607.132	80.	287.132
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0	596.042	0.	477.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	566.76	0.	506.366
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	547.466	0.	514.358
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	526.76	0.	517.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	486.76	0.	506.366
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	596.042	0.	477.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	569.44	20.	501.725
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	551.255	28.2843	507.795
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	531.401	34.641	509.045
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	492.119	40.	497.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	596.042	0.	477.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	572.618	28.2843	496.22
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	555.75	40.	500.009
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	536.906	48.9898	499.51
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	498.476	56.5685	486.074
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	596.042	0.	477.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	576.76	34.641	489.045
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	561.608	48.9898	489.863
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	544.081	60.	487.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	506.76	69.282	471.725
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	596.042	0.	477.084
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	586.76	40.	471.725
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	575.75	56.5685	465.368
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	561.401	69.282	457.084

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	526.76	80.	437.084
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0	516.942	0.	548.008
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	481.079	0.	568.713
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	460.373	0.	571.439
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	439.668	0.	568.713
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	403.805	0.	548.008
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	516.942	0.	548.008
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	484.868	20.	564.924
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	465.732	28.2843	566.08
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	446.231	34.641	562.15
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	411.383	40.	540.429
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	516.942	0.	548.008
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	489.363	28.2843	560.429
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	472.089	40.	559.723
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	454.016	48.9898	554.365
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	420.373	56.5685	531.439
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	516.942	0.	548.008
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	495.221	34.641	554.571
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	480.373	48.9898	551.439
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	464.163	60.	544.218
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	432.089	69.282	519.723
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	516.942	0.	548.008
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	509.363	40.	540.429
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	500.373	56.5685	531.439
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	488.657	69.282	519.723
0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	460.373	80.	491.439
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0	422.18	0.	596.042
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	382.18	0.	606.76
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	361.475	0.	604.034
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	342.18	0.	596.042
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	312.898	0.	566.76
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	422.18	0.	596.042
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	386.821	20.	604.081
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	368.038	28.2843	600.245
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	350.219	34.641	591.401
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	322.18	40.	561.401
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	422.18	0.	596.042
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	392.326	28.2843	600.902
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	375.823	40.	595.75
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	359.754	48.9898	585.896
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	333.19	56.5685	555.044
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	422.18	0.	596.042
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	399.501	34.641	596.76



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	385.97	48.9898	589.892
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	372.18	60.	578.722
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	347.539	69.282	546.76
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	422.18	0.	596.042
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	416.821	40.	586.76
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	410.464	56.5685	575.75
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	402.18	69.282	561.401
0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	382.18	80.	526.76
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0	212.132	0.	612.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	172.132	0.	601.414
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	155.563	0.	588.701
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	142.85	0.	572.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	132.132	0.	532.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	212.132	0.	612.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	177.491	20.	601.414
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	163.142	28.2843	588.701
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	152.132	34.641	572.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	142.85	40.	532.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	212.132	0.	612.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	183.848	28.2843	601.414
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	172.132	40.	588.701
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	163.142	48.9898	572.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	155.563	56.5685	532.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	212.132	0.	612.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	192.132	34.641	601.414
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	183.848	48.9898	588.701
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	177.491	60.	572.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	172.132	69.282	532.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	212.132	0.	612.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	212.132	40.	601.414
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	212.132	56.5685	588.701
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	212.132	69.282	572.132
0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	212.132	80.	532.132
0	$\frac{\pi}{3}$	0	0	0	0	734.808	0.	225.
0	$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	0	724.09	0.	265.
0	$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	0	711.376	0.	281.569
0	$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	0	694.808	0.	294.282
0	$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	0	654.808	0.	305.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0	734.808	0.	225.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	724.09	20.	259.641
0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	711.376	28.2843	273.99
0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	694.808	34.641	285.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	654.808	40.	294.282

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0	734.808	0.	225.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	724.09	28.2843	253.284
0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	711.376	40.	265.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	694.808	48.9898	273.99
0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	654.808	56.5685	281.569
0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0	734.808	0.	225.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	724.09	34.641	245.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	711.376	48.9898	253.284
0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	694.808	60.	259.641
0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	654.808	69.282	265.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0	734.808	0.	225.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	724.09	40.	225.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	711.376	56.5685	225.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	694.808	69.282	225.
0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	654.808	80.	225.
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0	643.718	0.	414.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	614.436	0.	444.234
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	595.141	0.	452.226
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	574.436	0.	454.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	534.436	0.	444.234
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	643.718	0.	414.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	617.115	20.	439.593
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	598.931	28.2843	445.663
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	579.077	34.641	446.913
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	539.795	40.	434.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	643.718	0.	414.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	620.294	28.2843	434.088
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	603.426	40.	437.877
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	584.582	48.9898	437.378
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	546.151	56.5685	423.942
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	643.718	0.	414.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	624.436	34.641	426.913
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	609.283	48.9898	427.731
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	591.756	60.	424.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	554.436	69.282	409.593
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	643.718	0.	414.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	634.436	40.	409.593
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	623.426	56.5685	403.236
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	609.077	69.282	394.952
0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	574.436	80.	374.952
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0	564.617	0.	485.876
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	528.754	0.	506.581
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	508.049	0.	509.307

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	487.343	0.	506.581
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	451.48	0.	485.876
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	564.617	0.	485.876
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	532.544	20.	502.792
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	513.408	28.2843	503.948
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	493.907	34.641	500.018
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	459.059	40.	478.297
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	564.617	0.	485.876
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	537.039	28.2843	498.297
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	519.765	40.	497.591
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	501.692	48.9898	492.232
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	468.049	56.5685	469.307
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	564.617	0.	485.876
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	542.896	34.641	492.439
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	528.049	48.9898	489.307
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	511.838	60.	482.086
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	479.765	69.282	457.591
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	564.617	0.	485.876
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	557.039	40.	478.297
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	548.049	56.5685	469.307
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	536.333	69.282	457.591
0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	508.049	80.	429.307
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0	469.856	0.	533.91
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	429.856	0.	544.628
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	409.15	0.	541.902
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	389.856	0.	533.91
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	360.574	0.	504.628
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	469.856	0.	533.91
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	434.497	20.	541.949
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	415.714	28.2843	538.113
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	397.894	34.641	529.269
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	369.856	40.	499.269
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	469.856	0.	533.91
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	440.002	28.2843	538.77
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	423.499	40.	533.618
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	407.429	48.9898	523.764
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	380.866	56.5685	492.912
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	469.856	0.	533.91
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	447.176	34.641	534.628
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	433.645	48.9898	527.76
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	419.856	60.	516.59
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	395.215	69.282	484.628
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	469.856	0.	533.91

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	464.497	40.	524.628
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	458.14	56.5685	513.618
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	449.856	69.282	499.269
0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	429.856	80.	464.628
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0	259.808	0.	550.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	219.808	0.	539.282
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	203.239	0.	526.569
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	190.526	0.	510.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	179.808	0.	470.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	259.808	0.	550.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	225.167	20.	539.282
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	210.818	28.2843	526.569
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	199.808	34.641	510.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	190.526	40.	470.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	259.808	0.	550.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	231.523	28.2843	539.282
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	219.808	40.	526.569
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	210.818	48.9898	510.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	203.239	56.5685	470.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	259.808	0.	550.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	239.808	34.641	539.282
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	231.523	48.9898	526.569
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	225.167	60.	510.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	219.808	69.282	470.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	259.808	0.	550.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	259.808	40.	539.282
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	259.808	56.5685	526.569
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	259.808	69.282	510.
0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	259.808	80.	470.
0	$\frac{\pi}{2}$	0	0	0	0	775.	0.	75.
0	$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	0	764.282	0.	115.
0	$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	0	751.569	0.	131.569
0	$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	0	735.	0.	144.282
0	$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	0	695.	0.	155.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0	775.	0.	75.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	764.282	20.	109.641
0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	751.569	28.2843	123.99
0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	735.	34.641	135.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	695.	40.	144.282
0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0	775.	0.	75.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	764.282	28.2843	103.284
0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	751.569	40.	115.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	735.	48.9898	123.99

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	695.	56.5685	131.569
0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0	775.	0.	75.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	764.282	34.641	95.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	751.569	48.9898	103.284
0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	735.	60.	109.641
0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	695.	69.282	115.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0	775.	0.	75.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	764.282	40.	75.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	751.569	56.5685	75.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	735.	69.282	75.
0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	695.	80.	75.
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0	683.91	0.	264.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	654.628	0.	294.234
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	635.334	0.	302.226
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	614.628	0.	304.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	574.628	0.	294.234
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	683.91	0.	264.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	657.308	20.	289.593
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	639.123	28.2843	295.663
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	619.269	34.641	296.913
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	579.987	40.	284.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	683.91	0.	264.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	660.486	28.2843	284.088
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	643.618	40.	287.877
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	624.774	48.9898	287.378
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	586.344	56.5685	273.942
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	683.91	0.	264.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	664.628	34.641	276.913
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	649.476	48.9898	277.731
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	631.949	60.	274.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	594.628	69.282	259.593
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	683.91	0.	264.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	674.628	40.	259.593
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	663.618	56.5685	253.236
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	649.269	69.282	244.952
0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	614.628	80.	224.952
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0	604.81	0.	335.876
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	568.947	0.	356.581
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	548.241	0.	359.307
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	527.536	0.	356.581
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	491.673	0.	335.876
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	604.81	0.	335.876
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	572.736	20.	352.792

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	553.6	28.2843	353.948
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	534.099	34.641	350.018
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	499.251	40.	328.297
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	604.81	0.	335.876
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	577.231	28.2843	348.297
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	559.957	40.	347.591
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	541.884	48.9898	342.232
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	508.241	56.5685	319.307
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	604.81	0.	335.876
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	583.089	34.641	342.439
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	568.241	48.9898	339.307
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	552.031	60.	332.086
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	519.957	69.282	307.591
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	604.81	0.	335.876
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	597.231	40.	328.297
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	588.241	56.5685	319.307
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	576.525	69.282	307.591
0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	548.241	80.	279.307
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0	510.048	0.	383.91
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	470.048	0.	394.628
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	449.343	0.	391.902
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	430.048	0.	383.91
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	400.766	0.	354.628
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	510.048	0.	383.91
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	474.689	20.	391.949
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	455.906	28.2843	388.113
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	438.087	34.641	379.269
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	410.048	40.	349.269
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	510.048	0.	383.91
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	480.194	28.2843	388.77
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	463.691	40.	383.618
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	447.622	48.9898	373.764
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	421.058	56.5685	342.912
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	510.048	0.	383.91
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	487.369	34.641	384.628
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	473.837	48.9898	377.76
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	460.048	60.	366.59
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	435.407	69.282	334.628
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	510.048	0.	383.91
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	504.689	40.	374.628
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	498.332	56.5685	363.618
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	490.048	69.282	349.269
0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	470.048	80.	314.628

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0	300.	0.	400.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	260.	0.	389.282
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	243.431	0.	376.569
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	230.718	0.	360.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	220.	0.	320.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	300.	0.	400.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	265.359	20.	389.282
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	251.01	28.2843	376.569
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	240.	34.641	360.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	230.718	40.	320.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	300.	0.	400.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	271.716	28.2843	389.282
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	260.	40.	376.569
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	251.01	48.9898	360.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	243.431	56.5685	320.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	300.	0.	400.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	280.	34.641	389.282
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	271.716	48.9898	376.569
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	265.359	60.	360.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	260.	69.282	320.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	300.	0.	400.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	300.	40.	389.282
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	300.	56.5685	376.569
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	300.	69.282	360.
0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	300.	80.	320.
$\frac{\pi}{6}$	0	0	0	0	0	411.362	237.5	375.
$\frac{\pi}{6}$	0	0	0	$\frac{\pi}{6}$	0	402.08	232.141	415.
$\frac{\pi}{6}$	0	0	0	$\frac{\pi}{4}$	0	391.07	225.784	431.569
$\frac{\pi}{6}$	0	0	0	$\frac{\pi}{3}$	0	376.721	217.5	444.282
$\frac{\pi}{6}$	0	0	0	$\frac{\pi}{2}$	0	342.08	197.5	455.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	0	0	411.362	237.5	375.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	392.08	249.462	409.641
$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	376.928	250.279	423.99
$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	359.401	247.5	435.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	322.08	232.141	444.282
$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	0	0	411.362	237.5	375.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	387.938	256.636	403.284
$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	371.07	260.425	415.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	352.226	259.926	423.99
$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	313.796	246.49	431.569
$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	0	0	411.362	237.5	375.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	384.76	262.141	395.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	366.575	268.211	403.284

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	346.721	269.462	409.641
$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	307.439	257.5	415.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	0	0	411.362	237.5	375.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	382.08	266.782	375.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	362.786	274.774	375.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	342.08	277.5	375.
$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	302.08	266.782	375.
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0	0	332.476	191.955	564.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	307.117	177.314	594.234
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	290.407	167.667	602.226
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	272.476	157.314	604.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	237.835	137.314	594.234
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	332.476	191.955	564.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	299.437	195.974	589.593
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	279.547	194.056	595.663
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	259.175	189.635	596.913
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	222.476	174.635	584.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	332.476	191.955	564.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	298.048	204.738	584.088
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	277.582	206.45	587.877
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	256.768	204.814	587.378
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	219.697	192.162	573.942
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	332.476	191.955	564.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	298.457	212.314	576.913
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	278.16	217.164	577.731
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	257.476	217.936	574.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	220.514	207.314	559.593
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	332.476	191.955	564.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	304.437	221.955	559.593
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	286.618	230.799	553.236
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	267.835	234.635	544.952
$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	232.476	226.596	524.952
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0	0	263.973	152.405	635.876
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	232.915	134.473	656.581
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	214.983	124.121	659.307
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	197.052	113.768	656.581
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	165.993	95.8363	635.876
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	263.973	152.405	635.876
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	226.196	153.689	652.792
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	205.482	151.295	653.948
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	185.415	147.05	650.018
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	152.557	134.267	628.297
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	263.973	152.405	635.876



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	225.947	163.11	648.297
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	205.129	164.619	647.591
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	184.983	163.369	642.232
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	152.058	153.11	619.307
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	263.973	152.405	635.876
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	227.842	171.544	642.439
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	207.809	176.547	639.307
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	188.265	177.977	632.086
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	155.847	169.978	607.591
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	263.973	152.405	635.876
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	237.41	183.256	628.297
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	221.34	193.11	619.307
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	204.837	198.263	607.591
$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	174.983	193.403	579.307
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0	0	181.907	105.024	683.91
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	147.266	85.024	694.628
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	129.334	74.6713	691.902
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	112.625	65.024	683.91
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	87.266	50.383	654.628
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	181.907	105.024	683.91
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	141.285	104.665	691.949
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	120.876	102.448	688.113
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	102.266	99.0433	679.269
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	75.3044	89.6651	649.269
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	181.907	105.024	683.91
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	141.911	114.592	688.77
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	121.761	116.487	683.618
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	103.349	116.237	673.764
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	76.5553	109.519	642.912
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	181.907	105.024	683.91
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	144.945	123.684	684.628
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	126.053	129.345	677.76
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	108.606	131.986	666.59
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	82.625	127.704	634.628
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	181.907	105.024	683.91
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	157.266	136.986	674.628
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	143.477	148.156	663.618
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	129.945	155.024	649.269
$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	107.266	154.306	614.628
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0	0	0.	0.	700.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	-34.641	-20.	689.282
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	-48.9898	-28.2843	676.569
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	-60.	-34.641	660.

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	-69.282	-40.	620.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	0.	700.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-40.	0.	689.282
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-56.5685	0.	676.569
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-69.282	0.	660.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-80.	0.	620.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	0.	700.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-38.637	10.3528	689.282
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-54.641	14.641	676.569
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-66.9213	17.9315	660.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-77.2741	20.7055	620.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	0.	700.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	20.	689.282
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	28.2843	676.569
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	34.641	660.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	40.	620.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	0.	700.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-20.	34.641	689.282
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-28.2843	48.9898	676.569
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-34.641	60.	660.
$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-40.	69.282	620.
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0	0	541.266	312.5	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	0	531.984	307.141	374.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	0	520.974	300.784	391.376
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	0	506.625	292.5	404.09
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	0	471.984	272.5	414.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0	541.266	312.5	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	521.984	324.462	369.449
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	506.832	325.279	383.797
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	489.304	322.5	394.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	451.984	307.141	404.09
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0	541.266	312.5	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	517.842	331.636	363.092
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	500.974	335.425	374.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	482.13	334.926	383.797
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	443.7	321.49	391.376
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0	541.266	312.5	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	514.663	337.141	354.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	496.479	343.211	363.092
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	476.625	344.462	369.449
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	437.343	332.5	374.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0	541.266	312.5	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	511.984	341.782	334.808

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	492.689	349.774	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	471.984	352.5	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	431.984	341.782	334.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0	462.38	266.955	524.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	437.021	252.314	554.042
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	420.311	242.667	562.034
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	402.38	232.314	564.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	367.739	212.314	554.042
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	462.38	266.955	524.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	429.341	270.974	549.401
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	409.451	269.056	555.47
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	389.078	264.635	556.721
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	352.38	249.635	544.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	462.38	266.955	524.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	427.952	279.738	543.895
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	407.486	281.45	547.685
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	386.672	279.814	547.186
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	349.601	267.162	533.749
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	462.38	266.955	524.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	428.361	287.314	536.721
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	408.064	292.164	537.539
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	387.38	292.936	534.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	350.418	282.314	519.401
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	462.38	266.955	524.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	434.341	296.955	519.401
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	416.522	305.799	513.044
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	397.739	309.635	504.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	362.38	301.596	484.76
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0	393.877	227.405	595.683
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	362.818	209.473	616.389
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	344.887	199.121	619.115
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	326.955	188.768	616.389
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	295.897	170.836	595.683
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	393.877	227.405	595.683
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	356.1	228.689	612.599
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	335.386	226.295	613.756
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	315.319	222.05	609.825
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	282.461	209.267	588.105
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	393.877	227.405	595.683
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	355.851	238.11	608.105
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	335.033	239.619	607.399
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	314.887	238.369	602.04
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	281.962	228.11	579.115

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	393.877	227.405	595.683
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	357.745	246.544	602.247
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	337.713	251.547	599.115
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	318.169	252.977	591.894
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	285.751	244.978	567.399
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	393.877	227.405	595.683
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	367.313	258.256	588.105
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	351.244	268.11	579.115
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	334.741	273.263	567.399
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	304.887	268.403	539.115
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0	311.811	180.024	643.718
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	277.17	160.024	654.436
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	259.238	149.671	651.71
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	242.529	140.024	643.718
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	217.17	125.383	614.436
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	311.811	180.024	643.718
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	271.189	179.665	651.756
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	250.78	177.448	647.92
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	232.17	174.043	639.077
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	205.208	164.665	609.077
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	311.811	180.024	643.718
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	271.814	189.592	648.578
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	251.665	191.487	643.426
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	233.253	191.237	633.572
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	206.459	184.519	602.72
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	311.811	180.024	643.718
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	274.849	198.684	644.436
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	255.957	204.345	637.568
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	238.51	206.986	626.397
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	212.529	202.704	594.436
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	311.811	180.024	643.718
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	287.17	211.986	634.436
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	273.38	223.156	623.426
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	259.849	230.024	609.077
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	237.17	229.306	574.436
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0	129.904	75.	659.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	95.2628	55.	649.09
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	80.914	46.7157	636.376
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	69.9038	40.359	619.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	60.6218	35.	579.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	129.904	75.	659.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	89.9038	75.	649.09
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	73.3353	75.	636.376

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	60.6218	75.	619.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	49.9038	75.	579.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	129.904	75.	659.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	91.2668	85.3528	649.09
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	75.2628	89.641	636.376
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	62.9825	92.9315	619.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	52.6297	95.7055	579.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	129.904	75.	659.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	95.2628	95.	649.09
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	80.914	103.284	636.376
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	69.9038	109.641	619.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	60.6218	115.	579.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	129.904	75.	659.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	109.904	109.641	649.09
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	101.62	123.99	636.376
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	95.2628	135.	619.808
$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	89.9038	144.282	579.808
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0	0	595.074	343.566	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	0	585.792	338.207	327.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	0	574.782	331.85	343.701
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	0	560.433	323.566	356.414
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	0	525.792	303.566	367.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0	595.074	343.566	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	575.792	355.528	321.773
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	560.639	356.345	336.122
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	543.112	353.566	347.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	505.792	338.207	356.414
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0	595.074	343.566	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	571.65	362.702	315.416
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	554.782	366.491	327.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	535.938	365.992	336.122
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	497.507	352.556	343.701
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0	595.074	343.566	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	568.471	368.207	307.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	550.287	374.277	315.416
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	530.433	375.528	321.773
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	491.151	363.566	327.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0	595.074	343.566	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	565.792	372.848	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	546.497	380.84	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	525.792	383.566	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	485.792	372.848	287.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0	516.188	298.021	477.084

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	490.829	283.38	506.366
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	474.119	273.733	514.358
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	456.188	263.38	517.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	421.547	243.38	506.366
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	516.188	298.021	477.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	483.149	302.04	501.725
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	463.259	300.122	507.795
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	442.886	295.701	509.045
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	406.188	280.701	497.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	516.188	298.021	477.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	481.76	310.804	496.22
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	461.294	312.516	500.009
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	440.48	310.88	499.51
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	403.409	298.228	486.074
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	516.188	298.021	477.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	482.168	318.38	489.045
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	461.872	323.23	489.863
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	441.188	324.002	487.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	404.226	313.38	471.725
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	516.188	298.021	477.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	488.149	328.021	471.725
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	470.33	336.865	465.368
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	451.547	340.701	457.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	416.188	332.662	437.084
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0	447.685	258.471	548.008
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	416.626	240.539	568.713
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	398.695	230.187	571.439
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	380.763	219.834	568.713
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	349.705	201.902	548.008
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	447.685	258.471	548.008
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	409.908	259.755	564.924
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	389.194	257.361	566.08
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	369.127	253.116	562.15
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	336.268	240.333	540.429
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	447.685	258.471	548.008
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	409.659	269.176	560.429
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	388.841	270.685	559.723
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	368.695	269.435	554.365
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	335.77	259.176	531.439
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	447.685	258.471	548.008
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	411.553	277.61	554.571
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	391.52	282.613	551.439
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	371.977	284.043	544.218

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	339.559	276.044	519.723
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	447.685	258.471	548.008
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	421.121	289.323	540.429
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	405.052	299.176	531.439
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	388.549	304.329	519.723
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	358.695	299.469	491.439
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0	365.619	211.09	596.042
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	330.978	191.09	606.76
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	313.046	180.737	604.034
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	296.337	171.09	596.042
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	270.978	156.449	566.76
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	365.619	211.09	596.042
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	324.997	210.731	604.081
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	304.588	208.514	600.245
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	285.978	205.109	591.401
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	259.016	195.731	561.401
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	365.619	211.09	596.042
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	325.622	220.658	600.902
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	305.473	222.553	595.75
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	287.061	222.303	585.896
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	260.267	215.585	555.044
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	365.619	211.09	596.042
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	328.657	229.75	596.76
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	309.764	235.411	589.892
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	292.317	238.052	578.722
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	266.337	233.77	546.76
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	365.619	211.09	596.042
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	340.978	243.052	586.76
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	327.188	254.222	575.75
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	313.657	261.09	561.401
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	290.978	260.372	526.76
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0	183.712	106.066	612.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	149.071	86.066	601.414
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	134.722	77.7817	588.701
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	123.712	71.425	572.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	114.43	66.066	532.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	183.712	106.066	612.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	143.712	106.066	601.414
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	127.143	106.066	588.701
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	114.43	106.066	572.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	103.712	106.066	532.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	183.712	106.066	612.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	145.075	116.419	601.414

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	129.071	120.707	588.701
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	116.79	123.998	572.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	106.438	126.772	532.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	183.712	106.066	612.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	149.071	126.066	601.414
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	134.722	134.35	588.701
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	123.712	140.707	572.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	114.43	146.066	532.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	183.712	106.066	612.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	163.712	140.707	601.414
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	155.427	155.056	588.701
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	149.071	166.066	572.132
$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	143.712	175.348	532.132
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0	0	636.362	367.404	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	0	627.08	362.045	265.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	0	616.07	355.688	281.569
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	0	601.721	347.404	294.282
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	0	567.08	327.404	305.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0	636.362	367.404	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	617.08	379.365	259.641
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	601.928	380.183	273.99
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	584.401	377.404	285.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	547.08	362.045	294.282
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0	636.362	367.404	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	612.938	386.54	253.284
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	596.07	390.329	265.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	577.226	389.83	273.99
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	538.796	376.394	281.569
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0	636.362	367.404	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	609.76	392.045	245.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	591.575	398.114	253.284
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	571.721	399.365	259.641
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	532.439	387.404	265.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0	636.362	367.404	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	607.08	396.686	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	587.786	404.678	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	567.08	407.404	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	527.08	396.686	225.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0	557.476	321.859	414.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	532.117	307.218	444.234
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	515.407	297.571	452.226
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	497.476	287.218	454.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	462.835	267.218	444.234



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	557.476	321.859	414.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	524.437	325.878	439.593
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	504.547	323.96	445.663
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	484.175	319.538	446.913
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	447.476	304.538	434.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	557.476	321.859	414.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	523.048	334.642	434.088
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	502.582	336.354	437.877
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	481.768	334.717	437.378
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	444.697	322.066	423.942
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	557.476	321.859	414.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	523.457	342.218	426.913
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	503.16	347.068	427.731
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	482.476	347.84	424.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	445.514	337.218	409.593
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	557.476	321.859	414.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	529.437	351.859	409.593
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	511.618	360.703	403.236
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	492.835	364.538	394.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	457.476	356.5	374.952
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0	488.973	282.309	485.876
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	457.915	264.377	506.581
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	439.983	254.024	509.307
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	422.052	243.672	506.581
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	390.993	225.74	485.876
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	488.973	282.309	485.876
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	451.196	283.592	502.792
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	430.482	281.199	503.948
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	410.415	276.953	500.018
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	377.557	264.171	478.297
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	488.973	282.309	485.876
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	450.947	293.014	498.297
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	430.129	294.523	497.591
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	409.983	293.272	492.232
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	377.058	283.014	469.307
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	488.973	282.309	485.876
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	452.842	301.448	492.439
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	432.809	306.451	489.307
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	413.265	307.881	482.086
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	380.847	299.882	457.591
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	488.973	282.309	485.876
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	462.41	313.16	478.297
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	446.34	323.014	469.307

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	429.837	328.167	457.591
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	399.983	323.306	429.307
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0	406.907	234.928	533.91
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	372.266	214.928	544.628
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	354.334	204.575	541.902
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	337.625	194.928	533.91
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	312.266	180.287	504.628
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	406.907	234.928	533.91
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	366.285	234.569	541.949
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	345.876	232.352	538.113
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	327.266	228.947	529.269
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	300.304	219.569	499.269
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	406.907	234.928	533.91
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	366.911	244.496	538.77
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	346.761	246.391	533.618
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	328.349	246.141	523.764
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	301.555	239.423	492.912
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	406.907	234.928	533.91
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	369.945	253.588	534.628
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	351.053	259.249	527.76
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	333.606	261.889	516.59
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	307.625	257.607	484.628
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	406.907	234.928	533.91
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	382.266	266.889	524.628
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	368.477	278.06	513.618
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	354.945	284.928	499.269
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	332.266	284.21	464.628
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0	225.	129.904	550.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	190.359	109.904	539.282
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	176.01	101.62	526.569
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	165.	95.2628	510.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	155.718	89.9038	470.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	225.	129.904	550.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	185.	129.904	539.282
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	168.431	129.904	526.569
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	155.718	129.904	510.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	145.	129.904	470.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	225.	129.904	550.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	186.363	140.257	539.282
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	170.359	144.545	526.569
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	158.079	147.835	510.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	147.726	150.609	470.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	225.	129.904	550.

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	190.359	149.904	539.282
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	176.01	158.188	526.569
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	165.	164.545	510.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	155.718	169.904	470.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	225.	129.904	550.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	205.	164.545	539.282
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	196.716	178.894	526.569
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	190.359	189.904	510.
$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	185.	199.186	470.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0	0	671.17	387.5	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	0	661.888	382.141	115.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	0	650.877	375.784	131.569
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	0	636.529	367.5	144.282
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	0	601.888	347.5	155.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0	671.17	387.5	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	651.888	399.462	109.641
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	636.735	400.279	123.99
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	619.208	397.5	135.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	581.888	382.141	144.282
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0	671.17	387.5	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	647.746	406.636	103.284
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	630.877	410.425	115.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	612.034	409.926	123.99
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	573.603	396.49	131.569
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0	671.17	387.5	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	644.567	412.141	95.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	626.383	418.211	103.284
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	606.529	419.462	109.641
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	567.247	407.5	115.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0	671.17	387.5	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	641.888	416.782	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	622.593	424.774	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	601.888	427.5	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	561.888	416.782	75.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0	592.284	341.955	264.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	566.925	327.314	294.234
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	550.215	317.667	302.226
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	532.284	307.314	304.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	497.643	287.314	294.234
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	592.284	341.955	264.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	559.245	345.974	289.593
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	539.355	344.056	295.663
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	518.982	339.635	296.913

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	482.284	324.635	284.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	592.284	341.955	264.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	557.856	354.738	284.088
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	537.389	356.45	287.877
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	516.575	354.814	287.378
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	479.504	342.162	273.942
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	592.284	341.955	264.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	558.264	362.314	276.913
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	537.968	367.164	277.731
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	517.284	367.936	274.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	480.322	357.314	259.593
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	592.284	341.955	264.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	564.245	371.955	259.593
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	546.426	380.799	253.236
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	527.643	384.635	244.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	492.284	376.596	224.952
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0	523.781	302.405	335.876
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	492.722	284.473	356.581
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	474.791	274.121	359.307
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	456.859	263.768	356.581
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	425.801	245.836	335.876
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	523.781	302.405	335.876
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	486.004	303.689	352.792
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	465.29	301.295	353.948
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	445.223	297.05	350.018
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	412.364	284.267	328.297
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	523.781	302.405	335.876
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	485.755	313.11	348.297
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	464.937	314.619	347.591
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	444.791	313.369	342.232
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	411.865	303.11	319.307
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	523.781	302.405	335.876
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	487.649	321.544	342.439
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	467.616	326.547	339.307
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	448.072	327.977	332.086
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	415.655	319.978	307.591
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	523.781	302.405	335.876
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	497.217	333.256	328.297
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	481.148	343.11	319.307
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	464.645	348.263	307.591
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	434.791	343.403	279.307
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0	441.715	255.024	383.91
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	407.074	235.024	394.628

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	389.142	224.671	391.902
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	372.433	215.024	383.91
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	347.074	200.383	354.628
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	441.715	255.024	383.91
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	401.093	254.665	391.949
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	380.684	252.448	388.113
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	362.074	249.043	379.269
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	335.112	239.665	349.269
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	441.715	255.024	383.91
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	401.718	264.592	388.77
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	381.568	266.487	383.618
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	363.157	266.237	373.764
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	336.363	259.519	342.912
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	441.715	255.024	383.91
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	404.753	273.684	384.628
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	385.86	279.345	377.76
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	368.413	281.986	366.59
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	342.433	277.704	334.628
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	441.715	255.024	383.91
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	417.074	286.986	374.628
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	403.284	298.156	363.618
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	389.753	305.024	349.269
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	367.074	304.306	314.628
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0	259.808	150.	400.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	225.167	130.	389.282
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	210.818	121.716	376.569
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	199.808	115.359	360.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	190.526	110.	320.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	259.808	150.	400.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	219.808	150.	389.282
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	203.239	150.	376.569
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	190.526	150.	360.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	179.808	150.	320.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	259.808	150.	400.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	221.171	160.353	389.282
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	205.167	164.641	376.569
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	192.886	167.932	360.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	182.534	170.706	320.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	259.808	150.	400.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	225.167	170.	389.282
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	210.818	178.284	376.569
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	199.808	184.641	360.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	190.526	190.	320.

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	259.808	150.	400.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	239.808	184.641	389.282
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	231.523	198.99	376.569
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	225.167	210.	360.
$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	219.808	219.282	320.
$\frac{\pi}{4}$	0	0	0	0	0	335.876	335.876	375.
$\frac{\pi}{4}$	0	0	0	$\frac{\pi}{6}$	0	328.297	328.297	415.
$\frac{\pi}{4}$	0	0	0	$\frac{\pi}{4}$	0	319.307	319.307	431.569
$\frac{\pi}{4}$	0	0	0	$\frac{\pi}{3}$	0	307.591	307.591	444.282
$\frac{\pi}{4}$	0	0	0	$\frac{\pi}{2}$	0	279.307	279.307	455.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	0	0	335.876	335.876	375.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	314.155	342.439	409.641
$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	299.307	339.307	423.99
$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	283.097	332.086	435.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	251.023	307.591	444.282
$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	0	0	335.876	335.876	375.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	308.297	348.297	403.284
$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	291.023	347.591	415.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	272.95	342.232	423.99
$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	239.307	319.307	431.569
$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	0	0	335.876	335.876	375.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	303.802	352.792	395.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	284.666	353.948	403.284
$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	265.165	350.018	409.641
$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	230.317	328.297	415.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	0	0	335.876	335.876	375.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	300.013	356.581	375.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	279.307	359.307	375.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	258.602	356.581	375.
$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	222.739	335.876	375.
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0	0	271.465	271.465	564.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	250.76	250.76	594.234
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	237.117	237.117	602.226
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	222.476	222.476	604.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	194.191	194.191	594.234
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	271.465	271.465	564.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	238.513	266.797	589.593
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	219.796	259.796	595.663
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	201.262	250.252	596.913
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	169.697	226.265	584.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	271.465	271.465	564.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	234.902	274.902	584.088
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	214.69	271.259	587.877

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	195.009	264.291	587.378
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	162.476	242.476	573.942
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	271.465	271.465	564.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	233.336	282.326	576.913
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	212.476	281.758	577.731
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	192.297	277.15	574.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	159.344	257.323	559.593
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	271.465	271.465	564.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	236.618	293.186	559.593
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	217.117	297.117	553.236
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	197.981	295.96	544.952
$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	165.907	279.044	524.952
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0	0	215.533	215.533	635.876
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	190.174	190.174	656.581
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	175.533	175.533	659.307
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	160.892	160.892	656.581
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	135.533	135.533	635.876
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	215.533	215.533	635.876
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	178.711	206.996	652.792
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	159.322	199.322	653.948
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	141.038	190.028	650.018
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	112.608	169.176	628.297
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	215.533	215.533	635.876
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	176.032	216.032	648.297
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	155.533	212.102	647.591
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	136.397	205.679	642.232
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	107.249	187.249	619.307
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	215.533	215.533	635.876
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	175.679	224.669	642.439
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	155.034	224.316	639.307
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	135.786	220.639	632.086
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	106.543	204.523	607.591
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	215.533	215.533	635.876
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	181.89	238.458	628.297
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	163.817	243.817	619.307
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	146.543	244.523	607.591
$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	118.964	232.102	579.307
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0	0	148.526	148.526	683.91
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	120.242	120.242	694.628
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	105.601	105.601	691.902
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	91.9579	91.9579	683.91
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	71.2524	71.2524	654.628
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	148.526	148.526	683.91

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	109.382	137.666	691.949
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	90.2422	130.242	688.113
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	73.1471	122.137	679.269
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	49.5315	106.1	649.269
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	148.526	148.526	683.91
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	107.417	147.417	688.77
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	87.463	144.032	683.618
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	69.7433	139.025	673.764
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	45.6011	125.601	642.912
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	148.526	148.526	683.91
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	107.995	156.985	684.628
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	88.2806	157.563	677.76
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	70.7447	155.597	666.59
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	46.7575	144.737	634.628
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	148.526	148.526	683.91
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	116.453	173.021	674.628
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	100.242	180.242	663.618
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	85.3945	183.374	649.269
$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	63.6736	176.811	614.628
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0	0	0.	0.	700.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	-28.2843	-28.2843	689.282
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	-40.	-40.	676.569
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	-48.9898	-48.9898	660.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	-56.5685	-56.5685	620.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	0.	700.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-38.637	-10.3528	689.282
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-54.641	-14.641	676.569
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-66.9213	-17.9315	660.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-77.2741	-20.7055	620.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	0.	700.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-40.	0.	689.282
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-56.5685	0.	676.569
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-69.282	0.	660.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-80.	0.	620.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	0.	700.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-38.637	10.3528	689.282
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-54.641	14.641	676.569
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-66.9213	17.9315	660.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-77.2741	20.7055	620.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	0.	700.
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-28.2843	28.2843	689.282
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-40.	40.	676.569
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-48.9898	48.9898	660.



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-56.5685	56.5685	620.
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0	0	441.942	441.942	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	0	434.363	434.363	374.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	0	425.373	425.373	391.376
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	0	413.657	413.657	404.09
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	0	385.373	385.373	414.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0	441.942	441.942	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	420.221	448.505	369.449
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	405.373	445.373	383.797
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	389.163	438.152	394.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	357.089	413.657	404.09
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0	441.942	441.942	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	414.363	454.363	363.092
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	397.089	453.657	374.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	379.016	448.298	383.797
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	345.373	425.373	391.376
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0	441.942	441.942	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	409.868	458.858	354.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	390.732	460.014	363.092
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	371.231	456.084	369.449
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	336.383	434.363	374.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0	441.942	441.942	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	406.079	462.647	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	385.373	465.373	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	364.668	462.647	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	328.805	441.942	334.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0	377.531	377.531	524.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	356.826	356.826	554.042
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	343.183	343.183	562.034
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	328.542	328.542	564.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	300.257	300.257	554.042
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	377.531	377.531	524.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	344.579	372.863	549.401
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	325.862	365.862	555.47
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	307.328	356.318	556.721
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	275.763	332.331	544.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	377.531	377.531	524.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	340.968	380.968	543.895
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	320.756	377.325	547.685
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	301.075	370.357	547.186
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	268.542	348.542	533.749
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	377.531	377.531	524.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	339.402	388.392	536.721

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	318.542	387.824	537.539
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	298.363	383.216	534.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	265.41	363.389	519.401
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	377.531	377.531	524.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	342.684	399.252	519.401
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	323.183	403.183	513.044
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	304.047	402.026	504.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	271.973	385.11	484.76
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0	321.599	321.599	595.683
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	296.24	296.24	616.389
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	281.599	281.599	619.115
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	266.958	266.958	616.389
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	241.599	241.599	595.683
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	321.599	321.599	595.683
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	284.777	313.062	612.599
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	265.388	305.388	613.756
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	247.104	296.094	609.825
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	218.674	275.242	588.105
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	321.599	321.599	595.683
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	282.098	322.098	608.105
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	261.599	318.168	607.399
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	242.463	311.745	602.04
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	213.315	293.315	579.115
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	321.599	321.599	595.683
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	281.745	330.735	602.247
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	261.1	330.382	599.115
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	241.852	326.705	591.894
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	212.609	310.589	567.399
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	321.599	321.599	595.683
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	287.956	344.524	588.105
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	269.883	349.883	579.115
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	252.609	350.589	567.399
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	225.03	338.168	539.115
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0	254.592	254.592	643.718
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	226.308	226.308	654.436
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	211.667	211.667	651.71
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	198.024	198.024	643.718
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	177.318	177.318	614.436
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	254.592	254.592	643.718
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	215.448	243.732	651.756
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	196.308	236.308	647.92
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	179.213	228.203	639.077
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	155.597	212.166	609.077

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	254.592	254.592	643.718
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	213.483	253.483	648.578
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	193.529	250.098	643.426
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	175.809	245.091	633.572
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	151.667	231.667	602.72
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	254.592	254.592	643.718
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	214.061	263.051	644.436
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	194.347	263.629	637.568
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	176.811	261.664	626.397
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	152.823	250.803	594.436
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	254.592	254.592	643.718
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	222.519	279.087	634.436
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	206.308	286.308	623.426
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	191.461	289.44	609.077
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	169.74	282.877	574.436
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0	106.066	106.066	659.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	77.7817	77.7817	649.09
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	66.066	66.066	636.376
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	57.0762	57.0762	619.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	49.4975	49.4975	579.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	106.066	106.066	659.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	67.429	95.7133	649.09
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	51.425	91.425	636.376
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	39.1447	88.1345	619.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	28.792	85.3605	579.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	106.066	106.066	659.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	66.066	106.066	649.09
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	49.4975	106.066	636.376
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	36.784	106.066	619.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	26.066	106.066	579.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	106.066	106.066	659.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	67.429	116.419	649.09
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	51.425	120.707	636.376
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	39.1447	123.998	619.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	28.792	126.772	579.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	106.066	106.066	659.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	77.7817	134.35	649.09
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	66.066	146.066	636.376
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	57.0762	155.056	619.808
$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	49.4975	162.635	579.808
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0	0	485.876	485.876	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	0	478.297	478.297	327.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	0	469.307	469.307	343.701

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	0	457.591	457.591	356.414
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	0	429.307	429.307	367.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0	485.876	485.876	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	464.155	492.439	321.773
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	449.307	489.307	336.122
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	433.097	482.086	347.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	401.023	457.591	356.414
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0	485.876	485.876	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	458.297	498.297	315.416
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	441.023	497.591	327.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	422.95	492.232	336.122
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	389.307	469.307	343.701
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0	485.876	485.876	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	453.802	502.792	307.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	434.666	503.948	315.416
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	415.165	500.018	321.773
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	380.317	478.297	327.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0	485.876	485.876	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	450.013	506.581	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	429.307	509.307	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	408.602	506.581	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	372.739	485.876	287.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0	421.465	421.465	477.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	400.76	400.76	506.366
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	387.117	387.117	514.358
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	372.476	372.476	517.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	344.191	344.191	506.366
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	421.465	421.465	477.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	388.513	416.797	501.725
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	369.796	409.796	507.795
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	351.262	400.252	509.045
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	319.697	376.265	497.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	421.465	421.465	477.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	384.902	424.902	496.22
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	364.69	421.259	500.009
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	345.009	414.291	499.51
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	312.476	392.476	486.074
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	421.465	421.465	477.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	383.336	432.326	489.045
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	362.476	431.758	489.863
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	342.297	427.15	487.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	309.344	407.323	471.725
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	421.465	421.465	477.084

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	386.618	443.186	471.725
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	367.117	447.117	465.368
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	347.981	445.96	457.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	315.907	429.044	437.084
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0	365.533	365.533	548.008
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	340.174	340.174	568.713
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	325.533	325.533	571.439
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	310.892	310.892	568.713
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	285.533	285.533	548.008
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	365.533	365.533	548.008
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	328.711	356.996	564.924
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	309.322	349.322	566.08
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	291.038	340.028	562.15
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	262.608	319.176	540.429
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	365.533	365.533	548.008
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	326.032	366.032	560.429
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	305.533	362.102	559.723
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	286.397	355.679	554.365
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	257.249	337.249	531.439
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	365.533	365.533	548.008
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	325.679	374.669	554.571
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	305.034	374.316	551.439
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	285.786	370.639	544.218
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	256.543	354.523	519.723
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	365.533	365.533	548.008
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	331.89	388.458	540.429
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	313.817	393.817	531.439
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	296.543	394.523	519.723
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	268.964	382.102	491.439
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0	298.526	298.526	596.042
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	270.242	270.242	606.76
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	255.601	255.601	604.034
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	241.958	241.958	596.042
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	221.252	221.252	566.76
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	298.526	298.526	596.042
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	259.382	287.666	604.081
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	240.242	280.242	600.245
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	223.147	272.137	591.401
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	199.531	256.1	561.401
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	298.526	298.526	596.042
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	257.417	297.417	600.902
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	237.463	294.032	595.75
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	219.743	289.025	585.896

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	195.601	275.601	555.044
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	298.526	298.526	596.042
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	257.995	306.985	596.76
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	238.281	307.563	589.892
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	220.745	305.597	578.722
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	196.757	294.737	546.76
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	298.526	298.526	596.042
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	266.453	323.021	586.76
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	250.242	330.242	575.75
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	235.395	333.374	561.401
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	213.674	326.811	526.76
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0	150.	150.	612.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	121.716	121.716	601.414
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	110.	110.	588.701
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	101.01	101.01	572.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	93.4315	93.4315	532.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	150.	150.	612.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	111.363	139.647	601.414
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	95.359	135.359	588.701
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	83.0787	132.068	572.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	72.7259	129.294	532.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	150.	150.	612.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	110.	150.	601.414
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	93.4315	150.	588.701
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	80.718	150.	572.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	70.	150.	532.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	150.	150.	612.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	111.363	160.353	601.414
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	95.359	164.641	588.701
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	83.0787	167.932	572.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	72.7259	170.706	532.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	150.	150.	612.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	121.716	178.284	601.414
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	110.	190.	588.701
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	101.01	198.99	572.132
$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	93.4315	206.569	532.132
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0	0	519.587	519.587	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	0	512.009	512.009	265.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	0	503.019	503.019	281.569
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	0	491.303	491.303	294.282
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	0	463.019	463.019	305.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0	519.587	519.587	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	497.867	526.151	259.641

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	483.019	523.019	273.99
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	466.808	515.798	285.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	434.735	491.303	294.282
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0	519.587	519.587	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	492.009	532.009	253.284
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	474.735	531.303	265.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	456.662	525.944	273.99
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	423.019	503.019	281.569
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0	519.587	519.587	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	487.514	536.504	245.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	468.378	537.66	253.284
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	448.877	533.73	259.641
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	414.029	512.009	265.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0	519.587	519.587	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	483.724	540.293	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	463.019	543.019	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	442.313	540.293	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	406.45	519.587	225.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0	455.177	455.177	414.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	434.472	434.472	444.234
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	420.828	420.828	452.226
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	406.187	406.187	454.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	377.903	377.903	444.234
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	455.177	455.177	414.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	422.224	450.509	439.593
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	403.508	443.508	445.663
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	384.974	433.964	446.913
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	353.408	409.977	434.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	455.177	455.177	414.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	418.614	458.614	434.088
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	398.402	454.971	437.877
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	378.721	448.003	437.378
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	346.187	426.187	423.942
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	455.177	455.177	414.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	417.048	466.038	426.913
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	396.187	465.469	427.731
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	376.008	460.861	424.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	343.055	441.035	409.593
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	455.177	455.177	414.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	420.33	476.898	409.593
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	400.828	480.828	403.236
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	381.693	479.672	394.952
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	349.619	462.756	374.952

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0	399.245	399.245	485.876
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	373.886	373.886	506.581
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	359.245	359.245	509.307
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	344.604	344.604	506.581
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	319.245	319.245	485.876
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	399.245	399.245	485.876
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	362.423	390.707	502.792
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	343.034	383.034	503.948
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	324.75	373.74	500.018
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	296.319	352.888	478.297
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	399.245	399.245	485.876
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	359.744	399.744	498.297
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	339.245	395.813	497.591
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	320.109	389.391	492.232
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	290.96	370.96	469.307
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	399.245	399.245	485.876
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	359.391	408.381	492.439
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	338.746	408.028	489.307
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	319.498	404.351	482.086
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	290.255	388.235	457.591
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	399.245	399.245	485.876
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	365.601	422.17	478.297
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	347.529	427.529	469.307
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	330.255	428.235	457.591
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	302.676	415.813	429.307
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0	332.238	332.238	533.91
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	303.954	303.954	544.628
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	289.313	289.313	541.902
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	275.67	275.67	533.91
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	254.964	254.964	504.628
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	332.238	332.238	533.91
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	293.093	321.378	541.949
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	273.954	313.954	538.113
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	256.859	305.849	529.269
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	233.243	289.812	499.269
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	332.238	332.238	533.91
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	291.128	331.128	538.77
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	271.175	327.743	533.618
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	253.455	322.737	523.764
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	229.313	309.313	492.912
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	332.238	332.238	533.91
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	291.706	340.696	534.628
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	271.992	341.274	527.76



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	254.456	339.309	516.59
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	230.469	328.449	484.628
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	332.238	332.238	533.91
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	300.165	356.733	524.628
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	283.954	363.954	513.618
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	269.106	367.086	499.269
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	247.385	360.522	464.628
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0	183.712	183.712	550.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	155.427	155.427	539.282
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	143.712	143.712	526.569
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	134.722	134.722	510.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	127.143	127.143	470.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	183.712	183.712	550.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	145.075	173.359	539.282
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	129.071	169.071	526.569
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	116.79	165.78	510.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	106.438	163.006	470.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	183.712	183.712	550.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	143.712	183.712	539.282
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	127.143	183.712	526.569
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	114.43	183.712	510.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	103.712	183.712	470.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	183.712	183.712	550.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	145.075	194.064	539.282
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	129.071	198.353	526.569
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	116.79	201.643	510.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	106.438	204.417	470.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	183.712	183.712	550.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	155.427	211.996	539.282
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	143.712	223.712	526.569
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	134.722	232.702	510.
$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	127.143	240.28	470.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0	0	548.008	548.008	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	0	540.429	540.429	115.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	0	531.439	531.439	131.569
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	0	519.723	519.723	144.282
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	0	491.439	491.439	155.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0	548.008	548.008	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	526.287	554.571	109.641
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	511.439	551.439	123.99
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	495.229	544.218	135.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	463.155	519.723	144.282
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0	548.008	548.008	75.

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	520.429	560.429	103.284
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	503.155	559.723	115.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	485.082	554.365	123.99
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	451.439	531.439	131.569
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0	548.008	548.008	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	515.934	564.924	95.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	496.798	566.08	103.284
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	477.297	562.15	109.641
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	442.449	540.429	115.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0	548.008	548.008	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	512.145	568.713	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	491.439	571.439	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	470.734	568.713	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	434.871	548.008	75.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0	483.598	483.598	264.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	462.892	462.892	294.234
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	449.249	449.249	302.226
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	434.608	434.608	304.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	406.323	406.323	294.234
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	483.598	483.598	264.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	450.645	478.929	289.593
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	431.928	471.928	295.663
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	413.395	462.384	296.913
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	381.829	438.397	284.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	483.598	483.598	264.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	447.034	487.034	284.088
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	426.822	483.391	287.877
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	407.141	476.423	287.378
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	374.608	454.608	273.942
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	483.598	483.598	264.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	445.468	494.458	276.913
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	424.608	493.89	277.731
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	404.429	489.282	274.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	371.476	469.455	259.593
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	483.598	483.598	264.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	448.75	505.318	259.593
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	429.249	509.249	253.236
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	410.113	508.092	244.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	378.039	491.176	224.952
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0	427.665	427.665	335.876
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	402.306	402.306	356.581
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	387.665	387.665	359.307
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	373.024	373.024	356.581

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	347.665	347.665	335.876
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	427.665	427.665	335.876
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	390.843	419.128	352.792
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	371.454	411.454	353.948
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	353.17	402.16	350.018
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	324.74	381.308	328.297
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	427.665	427.665	335.876
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	388.164	428.164	348.297
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	367.665	424.234	347.591
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	348.529	417.811	342.232
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	319.381	399.381	319.307
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	427.665	427.665	335.876
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	387.811	436.801	342.439
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	367.166	436.448	339.307
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	347.918	432.771	332.086
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	318.675	416.655	307.591
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	427.665	427.665	335.876
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	394.022	450.59	328.297
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	375.949	455.949	319.307
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	358.675	456.655	307.591
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	331.097	444.234	279.307
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0	360.658	360.658	383.91
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	332.374	332.374	394.628
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	317.733	317.733	391.902
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	304.09	304.09	383.91
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	283.384	283.384	354.628
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	360.658	360.658	383.91
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	321.514	349.798	391.949
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	302.374	342.374	388.113
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	285.279	334.269	379.269
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	261.664	318.232	349.269
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	360.658	360.658	383.91
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	319.549	359.549	388.77
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	299.595	356.164	383.618
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	281.875	351.157	373.764
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	257.733	337.733	342.912
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	360.658	360.658	383.91
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	320.127	369.117	384.628
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	300.413	369.695	377.76
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	282.877	367.73	366.59
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	258.89	356.869	334.628
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	360.658	360.658	383.91
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	328.585	385.153	374.628

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	312.374	392.374	363.618
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	297.527	395.506	349.269
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	275.806	388.943	314.628
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0	212.132	212.132	400.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	183.848	183.848	389.282
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	172.132	172.132	376.569
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	163.142	163.142	360.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	155.563	155.563	320.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	212.132	212.132	400.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	173.495	201.779	389.282
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	157.491	197.491	376.569
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	145.211	194.201	360.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	134.858	191.427	320.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	212.132	212.132	400.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	172.132	212.132	389.282
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	155.563	212.132	376.569
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	142.85	212.132	360.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	132.132	212.132	320.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	212.132	212.132	400.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	173.495	222.485	389.282
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	157.491	226.773	376.569
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	145.211	230.064	360.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	134.858	232.838	320.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	212.132	212.132	400.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	183.848	240.416	389.282
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	172.132	252.132	376.569
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	163.142	261.122	360.
$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	155.563	268.701	320.
$\frac{\pi}{3}$	0	0	0	0	0	237.5	411.362	375.
$\frac{\pi}{3}$	0	0	0	$\frac{\pi}{6}$	0	232.141	402.08	415.
$\frac{\pi}{3}$	0	0	0	$\frac{\pi}{4}$	0	225.784	391.07	431.569
$\frac{\pi}{3}$	0	0	0	$\frac{\pi}{3}$	0	217.5	376.721	444.282
$\frac{\pi}{3}$	0	0	0	$\frac{\pi}{2}$	0	197.5	342.08	455.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	0	0	237.5	411.362	375.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	214.821	412.08	409.641
$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	201.289	405.212	423.99
$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	187.5	394.042	435.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	162.859	362.08	444.282
$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	0	0	237.5	411.362	375.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	207.646	416.222	403.284
$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	191.143	411.07	415.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	175.074	401.216	423.99
$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	148.51	370.364	431.569

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	0	0	237.5	411.362	375.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	202.141	419.401	395.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	183.358	415.565	403.284
$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	165.538	406.721	409.641
$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	137.5	376.721	415.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	0	0	237.5	411.362	375.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	197.5	422.08	375.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	176.794	419.354	375.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	157.5	411.362	375.
$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	128.218	382.08	375.
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0	0	191.955	332.476	564.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	177.314	307.117	594.234
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	167.667	290.407	602.226
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	157.314	272.476	604.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	137.314	237.835	594.234
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	191.955	332.476	564.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	161.333	319.437	589.593
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	145.067	307.831	595.663
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	129.635	293.816	596.913
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	105.353	262.476	584.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	191.955	332.476	564.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	155.748	326.332	584.088
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	137.168	317.582	587.877
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	119.961	305.758	587.378
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	94.1821	276.265	573.942
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	191.955	332.476	564.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	152.314	333.098	576.913
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	132.311	327.15	577.731
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	114.013	317.476	574.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	87.3141	289.796	559.593
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	191.955	332.476	564.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	152.673	344.437	559.593
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	132.819	343.187	553.236
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	114.635	337.117	544.952
$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	88.032	312.476	524.952
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0	0	152.405	263.973	635.876
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	134.473	232.915	656.581
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	124.121	214.983	659.307
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	113.768	197.052	656.581
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	95.8363	165.993	635.876
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	152.405	263.973	635.876
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	119.048	246.196	652.792
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	102.305	233.766	653.948

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	87.0495	220.056	650.018
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	64.9847	192.557	628.297
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	152.405	263.973	635.876
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	114.121	254.231	648.297
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	95.3374	245.129	647.591
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	78.5158	233.973	642.232
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	55.1308	208.626	619.307
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	152.405	263.973	635.876
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	111.544	262.483	642.439
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	91.6942	256.799	639.307
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	74.0537	248.265	632.086
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	49.9784	225.129	607.591
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	152.405	263.973	635.876
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	113.974	277.41	628.297
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	95.1308	277.908	619.307
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	78.2627	274.119	607.591
$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	54.8385	254.983	579.307
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0	0	105.024	181.907	683.91
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	85.024	147.266	694.628
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	74.6713	129.334	691.902
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	65.024	112.625	683.91
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	50.383	87.266	654.628
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	105.024	181.907	683.91
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	70.024	161.285	691.949
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	53.4581	149.161	688.113
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	39.0433	136.907	679.269
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	20.383	115.304	649.269
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	105.024	181.907	683.91
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	65.6022	170.195	688.77
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	47.2047	161.761	683.618
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	31.3844	152.339	673.764
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	11.5394	133.124	642.912
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	105.024	181.907	683.91
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	63.6843	179.586	684.628
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	44.4923	175.043	677.76
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	28.0625	168.606	666.59
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	7.70354	151.907	634.628
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	105.024	181.907	683.91
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	67.7035	197.266	674.628
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	50.1764	200.045	663.618
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	35.024	199.227	649.269
$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	15.742	187.266	614.628
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0	0	0.	0.	700.

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	-20.	-34.641	689.282
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	-28.2843	-48.9898	676.569
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	-34.641	-60.	660.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	-40.	-69.282	620.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	0.	700.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-34.641	-20.	689.282
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-48.9898	-28.2843	676.569
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-60.	-34.641	660.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-69.282	-40.	620.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	0.	700.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-38.637	-10.3528	689.282
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-54.641	-14.641	676.569
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-66.9213	-17.9315	660.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-77.2741	-20.7055	620.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	0.	700.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-40.	0.	689.282
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-56.5685	0.	676.569
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-69.282	0.	660.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-80.	0.	620.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	0.	700.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-34.641	20.	689.282
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-48.9898	28.2843	676.569
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-60.	34.641	660.
$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-69.282	40.	620.
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0	0	312.5	541.266	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	0	307.141	531.984	374.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	0	300.784	520.974	391.376
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	0	292.5	506.625	404.09
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	0	272.5	471.984	414.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0	312.5	541.266	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	289.821	541.984	369.449
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	276.289	535.116	383.797
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	262.5	523.945	394.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	237.859	491.984	404.09
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0	312.5	541.266	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	282.646	546.126	363.092
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	266.143	540.974	374.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	250.074	531.12	383.797
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	223.51	500.268	391.376
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0	312.5	541.266	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	277.141	549.304	354.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	258.358	545.469	363.092
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	240.538	536.625	369.449

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	212.5	506.625	374.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0	312.5	541.266	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	272.5	551.984	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	251.794	549.258	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	232.5	541.266	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	203.218	511.984	334.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0	266.955	462.38	524.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	252.314	437.021	554.042
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	242.667	420.311	562.034
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	232.314	402.38	564.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	212.314	367.739	554.042
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	266.955	462.38	524.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	236.333	449.341	549.401
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	220.067	437.735	555.47
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	204.635	423.72	556.721
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	180.353	392.38	544.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	266.955	462.38	524.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	230.748	456.236	543.895
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	212.168	447.486	547.685
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	194.961	435.661	547.186
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	169.182	406.169	533.749
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	266.955	462.38	524.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	227.314	463.002	536.721
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	207.311	457.054	537.539
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	189.013	447.38	534.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	162.314	419.7	519.401
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	266.955	462.38	524.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	227.673	474.341	519.401
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	207.819	473.09	513.044
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	189.635	467.021	504.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	163.032	442.38	484.76
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0	227.405	393.877	595.683
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	209.473	362.818	616.389
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	199.121	344.887	619.115
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	188.768	326.955	616.389
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	170.836	295.897	595.683
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	227.405	393.877	595.683
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	194.048	376.1	612.599
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	177.305	363.67	613.756
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	162.05	349.96	609.825
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	139.985	322.461	588.105
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	227.405	393.877	595.683
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	189.121	384.135	608.105



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	170.337	375.033	607.399
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	153.516	363.877	602.04
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	130.131	338.53	579.115
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	227.405	393.877	595.683
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	186.544	392.386	602.247
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	166.694	386.702	599.115
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	149.054	378.169	591.894
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	124.978	355.033	567.399
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	227.405	393.877	595.683
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	188.974	407.313	588.105
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	170.131	407.812	579.115
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	153.263	404.023	567.399
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	129.839	384.887	539.115
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0	180.024	311.811	643.718
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	160.024	277.17	654.436
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	149.671	259.238	651.71
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	140.024	242.529	643.718
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	125.383	217.17	614.436
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	180.024	311.811	643.718
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	145.024	291.189	651.756
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	128.458	279.064	647.92
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	114.043	266.811	639.077
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	95.383	245.208	609.077
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	180.024	311.811	643.718
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	140.602	300.099	648.578
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	122.205	291.665	643.426
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	106.384	282.243	633.572
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	86.5394	263.028	602.72
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	180.024	311.811	643.718
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	138.684	309.49	644.436
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	119.492	304.946	637.568
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	103.063	298.51	626.397
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	82.7035	281.811	594.436
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	180.024	311.811	643.718
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	142.704	327.17	634.436
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	125.176	329.949	623.426
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	110.024	329.131	609.077
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	90.742	317.17	574.436
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0	75.	129.904	659.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	55.	95.2628	649.09
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	46.7157	80.914	636.376
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	40.359	69.9038	619.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	35.	60.6218	579.808

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	75.	129.904	659.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	40.359	109.904	649.09
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	26.0102	101.62	636.376
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	15.	95.2628	619.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	5.71797	89.9038	579.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	75.	129.904	659.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	36.363	119.551	649.09
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	20.359	115.263	636.376
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	8.0787	111.972	619.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-2.27407	109.198	579.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	75.	129.904	659.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	35.	129.904	649.09
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	18.4315	129.904	636.376
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	5.71797	129.904	619.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-5.	129.904	579.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	75.	129.904	659.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	40.359	149.904	649.09
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	26.0102	158.188	636.376
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	15.	164.545	619.808
$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	5.71797	169.904	579.808
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0	0	343.566	595.074	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	0	338.207	585.792	327.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	0	331.85	574.782	343.701
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	0	323.566	560.433	356.414
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	0	303.566	525.792	367.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0	343.566	595.074	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	320.887	595.792	321.773
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	307.355	588.924	336.122
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	293.566	577.753	347.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	268.925	545.792	356.414
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0	343.566	595.074	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	313.712	599.934	315.416
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	297.209	594.782	327.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	281.14	584.928	336.122
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	254.576	554.076	343.701
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0	343.566	595.074	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	308.207	603.112	307.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	289.424	599.276	315.416
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	271.604	590.433	321.773
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	243.566	560.433	327.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0	343.566	595.074	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	303.566	605.792	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	282.86	603.066	287.132

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	263.566	595.074	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	234.284	565.792	287.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0	298.021	516.188	477.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	283.38	490.829	506.366
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	273.733	474.119	514.358
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	263.38	456.188	517.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	243.38	421.547	506.366
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	298.021	516.188	477.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	267.399	503.149	501.725
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	251.133	491.543	507.795
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	235.701	477.527	509.045
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	211.419	446.188	497.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	298.021	516.188	477.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	261.814	510.044	496.22
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	243.234	501.294	500.009
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	226.027	489.469	499.51
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	200.248	459.977	486.074
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	298.021	516.188	477.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	258.38	516.809	489.045
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	238.378	510.862	489.863
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	220.079	501.188	487.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	193.38	473.508	471.725
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	298.021	516.188	477.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	258.739	528.149	471.725
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	238.885	526.898	465.368
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	220.701	520.829	457.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	194.098	496.188	437.084
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0	258.471	447.685	548.008
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	240.539	416.626	568.713
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	230.187	398.695	571.439
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	219.834	380.763	568.713
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	201.902	349.705	548.008
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	258.471	447.685	548.008
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	225.114	429.908	564.924
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	208.371	417.478	566.08
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	193.116	403.768	562.15
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	171.051	376.268	540.429
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	258.471	447.685	548.008
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	220.187	437.943	560.429
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	201.403	428.841	559.723
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	184.582	417.685	554.365
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	161.197	392.338	531.439
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	258.471	447.685	548.008

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	217.61	446.194	554.571
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	197.76	440.51	551.439
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	180.12	431.977	544.218
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	156.044	408.841	519.723
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	258.471	447.685	548.008
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	220.04	461.121	540.429
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	201.197	461.62	531.439
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	184.329	457.831	519.723
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	160.905	438.695	491.439
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0	211.09	365.619	596.042
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	191.09	330.978	606.76
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	180.737	313.046	604.034
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	171.09	296.337	596.042
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	156.449	270.978	566.76
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	211.09	365.619	596.042
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	176.09	344.997	604.081
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	159.524	332.872	600.245
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	145.109	320.619	591.401
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	126.449	299.016	561.401
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	211.09	365.619	596.042
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	171.668	353.907	600.902
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	153.271	345.473	595.75
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	137.45	336.051	585.896
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	117.605	316.836	555.044
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	211.09	365.619	596.042
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	169.75	363.298	596.76
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	150.558	358.754	589.892
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	134.129	352.317	578.722
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	113.77	335.619	546.76
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	211.09	365.619	596.042
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	173.77	380.978	586.76
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	156.242	383.757	575.75
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	141.09	382.939	561.401
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	121.808	370.978	526.76
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0	106.066	183.712	612.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	86.066	149.071	601.414
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	77.7817	134.722	588.701
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	71.425	123.712	572.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	66.066	114.43	532.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	106.066	183.712	612.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	71.425	163.712	601.414
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	57.0762	155.427	588.701
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	46.066	149.071	572.132

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	36.784	143.712	532.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	106.066	183.712	612.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	67.429	173.359	601.414
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	51.425	169.071	588.701
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	39.1447	165.78	572.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	28.792	163.006	532.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	106.066	183.712	612.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	66.066	183.712	601.414
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	49.4975	183.712	588.701
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	36.784	183.712	572.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	26.066	183.712	532.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	106.066	183.712	612.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	71.425	203.712	601.414
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	57.0762	211.996	588.701
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	46.066	218.353	572.132
$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	36.784	223.712	532.132
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0	0	367.404	636.362	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	0	362.045	627.08	265.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	0	355.688	616.07	281.569
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	0	347.404	601.721	294.282
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	0	327.404	567.08	305.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0	367.404	636.362	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	344.724	637.08	259.641
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	331.193	630.212	273.99
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	317.404	619.042	285.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	292.763	587.08	294.282
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0	367.404	636.362	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	337.55	641.222	253.284
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	321.047	636.07	265.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	304.977	626.216	273.99
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	278.414	595.364	281.569
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0	367.404	636.362	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	332.045	644.401	245.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	313.262	640.565	253.284
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	295.442	631.721	259.641
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	267.404	601.721	265.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0	367.404	636.362	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	327.404	647.08	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	306.698	644.354	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	287.404	636.362	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	258.122	607.08	225.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0	321.859	557.476	414.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	307.218	532.117	444.234

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	297.571	515.407	452.226
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	287.218	497.476	454.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	267.218	462.835	444.234
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	321.859	557.476	414.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	291.237	544.437	439.593
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	274.97	532.831	445.663
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	259.538	518.816	446.913
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	235.256	487.476	434.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	321.859	557.476	414.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	285.652	551.332	434.088
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	267.072	542.582	437.877
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	249.865	530.758	437.378
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	224.086	501.265	423.942
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	321.859	557.476	414.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	282.218	558.098	426.913
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	262.215	552.15	427.731
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	243.917	542.476	424.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	217.218	514.796	409.593
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	321.859	557.476	414.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	282.577	569.437	409.593
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	262.723	568.187	403.236
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	244.538	562.117	394.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	217.936	537.476	374.952
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0	282.309	488.973	485.876
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	264.377	457.915	506.581
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	254.024	439.983	509.307
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	243.672	422.052	506.581
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	225.74	390.993	485.876
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	282.309	488.973	485.876
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	248.951	471.196	502.792
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	232.209	458.766	503.948
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	216.953	445.056	500.018
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	194.888	417.557	478.297
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	282.309	488.973	485.876
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	244.024	479.231	498.297
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	225.241	470.129	497.591
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	208.42	458.973	492.232
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	185.035	433.626	469.307
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	282.309	488.973	485.876
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	241.448	487.483	492.439
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	221.598	481.799	489.307
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	203.958	473.265	482.086
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	179.882	450.129	457.591

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	282.309	488.973	485.876
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	243.878	502.41	478.297
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	225.035	502.908	469.307
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	208.167	499.119	457.591
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	184.742	479.983	429.307
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0	234.928	406.907	533.91
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	214.928	372.266	544.628
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	204.575	354.334	541.902
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	194.928	337.625	533.91
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	180.287	312.266	504.628
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	234.928	406.907	533.91
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	199.928	386.285	541.949
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	183.362	374.161	538.113
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	168.947	361.907	529.269
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	150.287	340.304	499.269
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	234.928	406.907	533.91
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	195.506	395.195	538.77
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	177.108	386.761	533.618
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	161.288	377.339	523.764
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	141.443	358.124	492.912
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	234.928	406.907	533.91
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	193.588	404.586	534.628
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	174.396	400.043	527.76
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	157.966	393.606	516.59
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	137.607	376.907	484.628
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	234.928	406.907	533.91
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	197.607	422.266	524.628
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	180.08	425.045	513.618
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	164.928	424.227	499.269
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	145.646	412.266	464.628
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0	129.904	225.	550.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	109.904	190.359	539.282
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	101.62	176.01	526.569
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	95.2628	165.	510.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	89.9038	155.718	470.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	129.904	225.	550.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	95.2628	205.	539.282
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	80.914	196.716	526.569
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	69.9038	190.359	510.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	60.6218	185.	470.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	129.904	225.	550.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	91.2668	214.647	539.282
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	75.2628	210.359	526.569

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	62.9825	207.068	510.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	52.6297	204.294	470.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	129.904	225.	550.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	89.9038	225.	539.282
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	73.3353	225.	526.569
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	60.6218	225.	510.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	49.9038	225.	470.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	129.904	225.	550.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	95.2628	245.	539.282
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	80.914	253.284	526.569
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	69.9038	259.641	510.
$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	60.6218	265.	470.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0	0	387.5	671.17	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	0	382.141	661.888	115.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	0	375.784	650.877	131.569
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	0	367.5	636.529	144.282
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	0	347.5	601.888	155.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0	387.5	671.17	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	364.821	671.888	109.641
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	351.289	665.02	123.99
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	337.5	653.849	135.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	312.859	621.888	144.282
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0	387.5	671.17	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	357.646	676.03	103.284
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	341.143	670.877	115.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	325.074	661.024	123.99
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	298.51	630.172	131.569
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0	387.5	671.17	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	352.141	679.208	95.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	333.358	675.372	103.284
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	315.538	666.529	109.641
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	287.5	636.529	115.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0	387.5	671.17	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	347.5	681.888	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	326.794	679.162	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	307.5	671.17	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	278.218	641.888	75.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0	341.955	592.284	264.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	327.314	566.925	294.234
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	317.667	550.215	302.226
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	307.314	532.284	304.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	287.314	497.643	294.234
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	341.955	592.284	264.952



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	311.333	579.245	289.593
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	295.067	567.639	295.663
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	279.635	553.623	296.913
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	255.353	522.284	284.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	341.955	592.284	264.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	305.748	586.14	284.088
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	287.168	577.389	287.877
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	269.961	565.565	287.378
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	244.182	536.073	273.942
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	341.955	592.284	264.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	302.314	592.905	276.913
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	282.311	586.957	277.731
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	264.013	577.284	274.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	237.314	549.604	259.593
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	341.955	592.284	264.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	302.673	604.245	259.593
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	282.819	602.994	253.236
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	264.635	596.925	244.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	238.032	572.284	224.952
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0	302.405	523.781	335.876
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	284.473	492.722	356.581
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	274.121	474.791	359.307
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	263.768	456.859	356.581
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	245.836	425.801	335.876
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	302.405	523.781	335.876
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	269.048	506.004	352.792
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	252.305	493.574	353.948
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	237.05	479.864	350.018
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	214.985	452.364	328.297
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	302.405	523.781	335.876
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	264.121	514.039	348.297
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	245.337	504.937	347.591
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	228.516	493.781	342.232
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	205.131	468.434	319.307
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	302.405	523.781	335.876
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	261.544	522.29	342.439
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	241.694	516.606	339.307
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	224.054	508.072	332.086
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	199.978	484.937	307.591
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	302.405	523.781	335.876
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	263.974	537.217	328.297
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	245.131	537.716	319.307
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	228.263	533.927	307.591

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	204.839	514.791	279.307
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0	255.024	441.715	383.91
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	235.024	407.074	394.628
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	224.671	389.142	391.902
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	215.024	372.433	383.91
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	200.383	347.074	354.628
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	255.024	441.715	383.91
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	220.024	421.093	391.949
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	203.458	408.968	388.113
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	189.043	396.715	379.269
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	170.383	375.112	349.269
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	255.024	441.715	383.91
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	215.602	430.003	388.77
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	197.205	421.568	383.618
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	181.384	412.147	373.764
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	161.539	392.931	342.912
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	255.024	441.715	383.91
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	213.684	439.394	384.628
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	194.492	434.85	377.76
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	178.063	428.413	366.59
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	157.704	411.715	334.628
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	255.024	441.715	383.91
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	217.704	457.074	374.628
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	200.176	459.853	363.618
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	185.024	459.035	349.269
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	165.742	447.074	314.628
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0	150.	259.808	400.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	130.	225.167	389.282
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	121.716	210.818	376.569
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	115.359	199.808	360.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	110.	190.526	320.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	150.	259.808	400.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	115.359	239.808	389.282
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	101.01	231.523	376.569
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	90.	225.167	360.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	80.718	219.808	320.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	150.	259.808	400.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	111.363	249.455	389.282
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	95.359	245.167	376.569
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	83.0787	241.876	360.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	72.7259	239.102	320.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	150.	259.808	400.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	110.	259.808	389.282

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	93.4315	259.808	376.569
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	80.718	259.808	360.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	70.	259.808	320.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	150.	259.808	400.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	115.359	279.808	389.282
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	101.01	288.092	376.569
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	90.	294.449	360.
$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	80.718	299.808	320.
$\frac{\pi}{2}$	0	0	0	0	0	0.	475.	375.
$\frac{\pi}{2}$	0	0	0	$\frac{\pi}{6}$	0	0.	464.282	415.
$\frac{\pi}{2}$	0	0	0	$\frac{\pi}{4}$	0	0.	451.569	431.569
$\frac{\pi}{2}$	0	0	0	$\frac{\pi}{3}$	0	0.	435.	444.282
$\frac{\pi}{2}$	0	0	0	$\frac{\pi}{2}$	0	0.	395.	455.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	0	0	0.	475.	375.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	464.282	409.641
$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	451.569	423.99
$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	435.	435.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	395.	444.282
$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	0	0	0.	475.	375.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	464.282	403.284
$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	451.569	415.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	435.	423.99
$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	395.	431.569
$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	0	0	0.	475.	375.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	464.282	395.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	451.569	403.284
$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	435.	409.641
$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	395.	415.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	0	0	0.	475.	375.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	464.282	375.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	451.569	375.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	435.	375.
$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	395.	375.
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0	0	0.	383.91	564.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0.	354.628	594.234
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0.	335.334	602.226
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0.	314.628	604.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0.	274.628	594.234
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0.	383.91	564.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	357.308	589.593
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	339.123	595.663
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	319.269	596.913
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	279.987	584.952

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0.	383.91	564.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	360.486	584.088
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	343.618	587.877
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	324.774	587.378
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	286.344	573.942
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0.	383.91	564.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	364.628	576.913
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	349.476	577.731
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	331.949	574.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	294.628	559.593
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0.	383.91	564.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	374.628	559.593
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	363.618	553.236
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	349.269	544.952
$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	314.628	524.952
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0	0	0.	304.81	635.876
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0.	268.947	656.581
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0.	248.241	659.307
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0.	227.536	656.581
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0.	191.673	635.876
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0.	304.81	635.876
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	272.736	652.792
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	253.6	653.948
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	234.099	650.018
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	199.251	628.297
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0.	304.81	635.876
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	277.231	648.297
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	259.957	647.591
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	241.884	642.232
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	208.241	619.307
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0.	304.81	635.876
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	283.089	642.439
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	268.241	639.307
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	252.031	632.086
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	219.957	607.591
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0.	304.81	635.876
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	297.231	628.297
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	288.241	619.307
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	276.525	607.591
$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	248.241	579.307
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0	0	0.	210.048	683.91
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0.	170.048	694.628
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0.	149.343	691.902

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0.	130.048	683.91
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0.	100.766	654.628
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0.	210.048	683.91
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	174.689	691.949
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	155.906	688.113
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	138.087	679.269
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	110.048	649.269
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0.	210.048	683.91
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	180.194	688.77
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	163.691	683.618
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	147.622	673.764
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	121.058	642.912
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0.	210.048	683.91
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	187.369	684.628
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	173.837	677.76
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	160.048	666.59
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	135.407	634.628
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0.	210.048	683.91
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	204.689	674.628
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	198.332	663.618
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	190.048	649.269
$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	170.048	614.628
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0	0	0.	0.	700.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0.	-40.	689.282
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0.	-56.5685	676.569
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0.	-69.282	660.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0.	-80.	620.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	0.	700.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	-34.641	689.282
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	-48.9898	676.569
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	-60.	660.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	-69.282	620.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	0.	700.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	-28.2843	689.282
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	-40.	676.569
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	-48.9898	660.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	-56.5685	620.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	0.	700.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	-20.	689.282
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	-28.2843	676.569
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	-34.641	660.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	-40.	620.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	0.	700.

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	0.	689.282
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	0.	676.569
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	0.	660.
$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	0.	620.
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0	0	0.	625.	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{6}$	0	0.	614.282	374.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{4}$	0	0.	601.569	391.376
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{3}$	0	0.	585.	404.09
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	$\frac{\pi}{2}$	0	0.	545.	414.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0	0.	625.	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	614.282	369.449
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	601.569	383.797
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	585.	394.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	545.	404.09
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0	0.	625.	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	614.282	363.092
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	601.569	374.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	585.	383.797
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	545.	391.376
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0	0.	625.	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	614.282	354.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	601.569	363.092
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	585.	369.449
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	545.	374.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0	0.	625.	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	614.282	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	601.569	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	585.	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	545.	334.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0	0.	533.91	524.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0.	504.628	554.042
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0.	485.334	562.034
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0.	464.628	564.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0.	424.628	554.042
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0.	533.91	524.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	507.308	549.401
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	489.123	555.47
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	469.269	556.721
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	429.987	544.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0.	533.91	524.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	510.486	543.895
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	493.618	547.685
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	474.774	547.186

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	436.344	533.749
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0.	533.91	524.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	514.628	536.721
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	499.476	537.539
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	481.949	534.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	444.628	519.401
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0.	533.91	524.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	524.628	519.401
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	513.618	513.044
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	499.269	504.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	464.628	484.76
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0	0.	454.81	595.683
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0.	418.947	616.389
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0.	398.241	619.115
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0.	377.536	616.389
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0.	341.673	595.683
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0.	454.81	595.683
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	422.736	612.599
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	403.6	613.756
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	384.099	609.825
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	349.251	588.105
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0.	454.81	595.683
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	427.231	608.105
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	409.957	607.399
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	391.884	602.04
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	358.241	579.115
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0.	454.81	595.683
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	433.089	602.247
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	418.241	599.115
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	402.031	591.894
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	369.957	567.399
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0.	454.81	595.683
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	447.231	588.105
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	438.241	579.115
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	426.525	567.399
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	398.241	539.115
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0	0.	360.048	643.718
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0.	320.048	654.436
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0.	299.343	651.71
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0.	280.048	643.718
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0.	250.766	614.436
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0.	360.048	643.718
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	324.689	651.756

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	305.906	647.92
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	288.087	639.077
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	260.048	609.077
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0.	360.048	643.718
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	330.194	648.578
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	313.691	643.426
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	297.622	633.572
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	271.058	602.72
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0.	360.048	643.718
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	337.369	644.436
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	323.837	637.568
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	310.048	626.397
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	285.407	594.436
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0.	360.048	643.718
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	354.689	634.436
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	348.332	623.426
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	340.048	609.077
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	320.048	574.436
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0	0.	150.	659.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0.	110.	649.09
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0.	93.4315	636.376
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0.	80.718	619.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0.	70.	579.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	150.	659.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	115.359	649.09
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	101.01	636.376
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	90.	619.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	80.718	579.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	150.	659.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	121.716	649.09
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	110.	636.376
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	101.01	619.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	93.4315	579.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	150.	659.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	130.	649.09
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	121.716	636.376
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	115.359	619.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	110.	579.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	150.	659.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	150.	649.09
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	150.	636.376
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	150.	619.808
$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	150.	579.808



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0	0	0.	687.132	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{6}$	0	0.	676.414	327.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{4}$	0	0.	663.701	343.701
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{3}$	0	0.	647.132	356.414
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	$\frac{\pi}{2}$	0	0.	607.132	367.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0	0.	687.132	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	676.414	321.773
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	663.701	336.122
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	647.132	347.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	607.132	356.414
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0	0.	687.132	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	676.414	315.416
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	663.701	327.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	647.132	336.122
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	607.132	343.701
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0	0.	687.132	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	676.414	307.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	663.701	315.416
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	647.132	321.773
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	607.132	327.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0	0.	687.132	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	676.414	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	663.701	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	647.132	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	607.132	287.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0	0.	596.042	477.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0.	566.76	506.366
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0.	547.466	514.358
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0.	526.76	517.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0.	486.76	506.366
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0.	596.042	477.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	569.44	501.725
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	551.255	507.795
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	531.401	509.045
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	492.119	497.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0.	596.042	477.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	572.618	496.22
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	555.75	500.009
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	536.906	499.51
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	498.476	486.074
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0.	596.042	477.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	576.76	489.045
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	561.608	489.863

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	544.081	487.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	506.76	471.725
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0.	596.042	477.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	586.76	471.725
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	575.75	465.368
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	561.401	457.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	526.76	437.084
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0	0.	516.942	548.008
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0.	481.079	568.713
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0.	460.373	571.439
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0.	439.668	568.713
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0.	403.805	548.008
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0.	516.942	548.008
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	484.868	564.924
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	465.732	566.08
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	446.231	562.15
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	411.383	540.429
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0.	516.942	548.008
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	489.363	560.429
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	472.089	559.723
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	454.016	554.365
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	420.373	531.439
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0.	516.942	548.008
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	495.221	554.571
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	480.373	551.439
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	464.163	544.218
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	432.089	519.723
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0.	516.942	548.008
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	509.363	540.429
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	500.373	531.439
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	488.657	519.723
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	460.373	491.439
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0	0.	422.18	596.042
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0.	382.18	606.76
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0.	361.475	604.034
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0.	342.18	596.042
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0.	312.898	566.76
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0.	422.18	596.042
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	386.821	604.081
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	368.038	600.245
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	350.219	591.401
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	322.18	561.401
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0.	422.18	596.042

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	392.326	600.902
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	375.823	595.75
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	359.754	585.896
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	333.19	555.044
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0.	422.18	596.042
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	399.501	596.76
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	385.97	589.892
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	372.18	578.722
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	347.539	546.76
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0.	422.18	596.042
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	416.821	586.76
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	410.464	575.75
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	402.18	561.401
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	382.18	526.76
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0	0.	212.132	612.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0.	172.132	601.414
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0.	155.563	588.701
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0.	142.85	572.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0.	132.132	532.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	212.132	612.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	177.491	601.414
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	163.142	588.701
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	152.132	572.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	142.85	532.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	212.132	612.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	183.848	601.414
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	172.132	588.701
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	163.142	572.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	155.563	532.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	212.132	612.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	192.132	601.414
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	183.848	588.701
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	177.491	572.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	172.132	532.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	212.132	612.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	212.132	601.414
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	212.132	588.701
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	212.132	572.132
$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	212.132	532.132
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0	0	0.	734.808	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{6}$	0	0.	724.09	265.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{4}$	0	0.	711.376	281.569
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{3}$	0	0.	694.808	294.282

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	$\frac{\pi}{2}$	0	0.	654.808	305.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0	0.	734.808	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	724.09	259.641
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	711.376	273.99
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	694.808	285.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	654.808	294.282
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0	0.	734.808	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	724.09	253.284
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	711.376	265.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	694.808	273.99
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	654.808	281.569
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0	0.	734.808	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	724.09	245.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	711.376	253.284
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	694.808	259.641
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	654.808	265.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0	0.	734.808	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	724.09	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	711.376	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	694.808	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	654.808	225.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0	0.	643.718	414.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0.	614.436	444.234
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0.	595.141	452.226
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0.	574.436	454.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0.	534.436	444.234
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0.	643.718	414.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	617.115	439.593
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	598.931	445.663
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	579.077	446.913
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	539.795	434.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0.	643.718	414.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	620.294	434.088
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	603.426	437.877
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	584.582	437.378
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	546.151	423.942
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0.	643.718	414.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	624.436	426.913
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	609.283	427.731
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	591.756	424.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	554.436	409.593
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0.	643.718	414.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	634.436	409.593

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	623.426	403.236
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	609.077	394.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	574.436	374.952
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0	0.	564.617	485.876
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0.	528.754	506.581
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0.	508.049	509.307
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0.	487.343	506.581
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0.	451.48	485.876
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0.	564.617	485.876
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	532.544	502.792
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	513.408	503.948
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	493.907	500.018
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	459.059	478.297
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0.	564.617	485.876
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	537.039	498.297
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	519.765	497.591
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	501.692	492.232
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	468.049	469.307
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0.	564.617	485.876
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	542.896	492.439
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	528.049	489.307
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	511.838	482.086
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	479.765	457.591
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0.	564.617	485.876
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	557.039	478.297
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	548.049	469.307
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	536.333	457.591
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	508.049	429.307
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0	0.	469.856	533.91
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0.	429.856	544.628
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0.	409.15	541.902
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0.	389.856	533.91
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0.	360.574	504.628
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0.	469.856	533.91
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	434.497	541.949
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	415.714	538.113
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	397.894	529.269
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	369.856	499.269
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0.	469.856	533.91
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	440.002	538.77
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	423.499	533.618
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	407.429	523.764
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	380.866	492.912

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0.	469.856	533.91
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	447.176	534.628
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	433.645	527.76
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	419.856	516.59
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	395.215	484.628
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0.	469.856	533.91
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	464.497	524.628
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	458.14	513.618
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	449.856	499.269
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	429.856	464.628
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0	0.	259.808	550.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0.	219.808	539.282
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0.	203.239	526.569
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0.	190.526	510.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0.	179.808	470.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	259.808	550.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	225.167	539.282
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	210.818	526.569
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	199.808	510.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	190.526	470.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	259.808	550.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	231.523	539.282
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	219.808	526.569
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	210.818	510.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	203.239	470.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	259.808	550.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	239.808	539.282
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	231.523	526.569
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	225.167	510.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	219.808	470.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	259.808	550.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	259.808	539.282
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	259.808	526.569
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	259.808	510.
$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	259.808	470.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0	0	0.	775.	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{6}$	0	0.	764.282	115.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{4}$	0	0.	751.569	131.569
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{3}$	0	0.	735.	144.282
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	$\frac{\pi}{2}$	0	0.	695.	155.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0	0.	775.	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	764.282	109.641
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	751.569	123.99

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	735.	135.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	695.	144.282
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0	0.	775.	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	764.282	103.284
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	751.569	115.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	735.	123.99
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	695.	131.569
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0	0.	775.	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	764.282	95.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	751.569	103.284
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	735.	109.641
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	695.	115.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0	0.	775.	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	764.282	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	751.569	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	735.	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	695.	75.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0	0.	683.91	264.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{6}$	0	0.	654.628	294.234
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{4}$	0	0.	635.334	302.226
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{3}$	0	0.	614.628	304.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	$\frac{\pi}{2}$	0	0.	574.628	294.234
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	0	0.	683.91	264.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	657.308	289.593
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	639.123	295.663
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	619.269	296.913
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	579.987	284.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	0	0.	683.91	264.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	660.486	284.088
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	643.618	287.877
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	624.774	287.378
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	586.344	273.942
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	0	0.	683.91	264.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	664.628	276.913
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	649.476	277.731
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	631.949	274.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	594.628	259.593
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	0	0.	683.91	264.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	674.628	259.593
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	663.618	253.236
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	649.269	244.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	614.628	224.952
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0	0.	604.81	335.876

$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{6}$	0	0.	568.947	356.581
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{4}$	0	0.	548.241	359.307
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{3}$	0	0.	527.536	356.581
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	$\frac{\pi}{2}$	0	0.	491.673	335.876
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	0	0.	604.81	335.876
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	572.736	352.792
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	553.6	353.948
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	534.099	350.018
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	499.251	328.297
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	0	0.	604.81	335.876
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	577.231	348.297
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	559.957	347.591
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	541.884	342.232
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	508.241	319.307
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	0	0.	604.81	335.876
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	583.089	342.439
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	568.241	339.307
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	552.031	332.086
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	519.957	307.591
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	0	0.	604.81	335.876
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	597.231	328.297
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	588.241	319.307
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	576.525	307.591
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	548.241	279.307
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0	0.	510.048	383.91
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{6}$	0	0.	470.048	394.628
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{4}$	0	0.	449.343	391.902
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{3}$	0	0.	430.048	383.91
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	$\frac{\pi}{2}$	0	0.	400.766	354.628
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	0	0.	510.048	383.91
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	474.689	391.949
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	455.906	388.113
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	438.087	379.269
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	410.048	349.269
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	0	0.	510.048	383.91
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	480.194	388.77
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	463.691	383.618
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	447.622	373.764
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	421.058	342.912
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	0	0.	510.048	383.91
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	487.369	384.628
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	473.837	377.76
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	460.048	366.59



$q_1$	$q_2$	$q_3$	$q_4$	$q_5$	$q_6$	$x$	$y$	$z$
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	435.407	334.628
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0	0.	510.048	383.91
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	504.689	374.628
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	498.332	363.618
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	490.048	349.269
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	470.048	314.628
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0	0.	300.	400.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{6}$	0	0.	260.	389.282
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{4}$	0	0.	243.431	376.569
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{3}$	0	0.	230.718	360.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	$\frac{\pi}{2}$	0	0.	220.	320.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	0	0.	300.	400.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{6}$	0	-20.	265.359	389.282
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	0	-28.2843	251.01	376.569
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{3}$	0	-34.641	240.	360.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	$\frac{\pi}{2}$	0	-40.	230.718	320.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	0	0.	300.	400.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	0	-28.2843	271.716	389.282
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{4}$	0	-40.	260.	376.569
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	0	-48.9898	251.01	360.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$	0	-56.5685	243.431	320.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	0	0.	300.	400.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{6}$	0	-34.641	280.	389.282
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	0	-48.9898	271.716	376.569
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{3}$	0	-60.	265.359	360.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	-69.282	260.	320.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	0	0.	300.	400.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{6}$	0	-40.	300.	389.282
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{4}$	0	-56.5685	300.	376.569
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{3}$	0	-69.282	300.	360.
$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	$\frac{\pi}{2}$	0	-80.	300.	320.