

r (km)	g_y(r) (m/s^2)	r (km)	g_y(r) (m/s^2)	r (km)	g_y(r) (m/s^2)	r (km)	g_y(r) (m/s^2)
0.0	0.0	1608.838	1.861	3217.677	5.64	4826.515	23.85
64.354	0.066	1673.192	1.955	3282.03	5.902	4890.869	25.901
128.707	0.132	1737.545	2.052	3346.384	6.178	4955.222	28.229
193.061	0.199	1801.899	2.151	3410.737	6.472	5019.576	30.887
257.414	0.265	1866.253	2.254	3475.091	6.783	5083.929	33.942
321.768	0.332	1930.606	2.36	3539.444	7.114	5148.283	37.477
386.121	0.399	1994.96	2.469	3603.798	7.466	5212.636	41.601
450.475	0.467	2059.313	2.582	3668.152	7.843	5276.99	46.455
514.828	0.535	2123.667	2.699	3732.505	8.245	5341.343	52.224
579.182	0.604	2188.02	2.82	3796.859	8.675	5405.697	59.156
643.535	0.673	2252.374	2.945	3861.212	9.137	5470.051	67.593
707.889	0.744	2316.727	3.075	3925.566	9.633	5534.404	78.008
772.242	0.815	2381.081	3.21	3989.919	10.168	5598.758	91.079
836.596	0.887	2445.434	3.351	4054.273	10.745	5663.111	107.805
900.949	0.96	2509.788	3.498	4118.626	11.37	5727.465	129.704
965.303	1.034	2574.141	3.65	4182.98	12.048	5791.818	159.175
1029.657	1.109	2638.495	3.81	4247.333	12.785	5856.172	200.199
1094.01	1.186	2702.848	3.976	4311.687	13.589	5920.525	259.774
1158.364	1.264	2767.202	4.151	4376.04	14.468	5984.879	351.156
1222.717	1.344	2831.556	4.333	4440.394	15.432	6049.232	502.024
1287.071	1.425	2895.909	4.524	4504.747	16.494	6113.586	778.478
1351.424	1.508	2960.263	4.725	4569.101	17.667	6177.939	1372.941
1415.778	1.593	3024.616	4.936	4633.455	18.967	6242.293	3063.155
1480.131	1.68	3088.97	5.159	4697.808	20.415	6306.646	12143.452
1544.485	1.77	3153.323	5.393	4762.162	22.033	6371.0	inf