

The calculated data of the new four earth models compared with the data of the current earth and the PREM

Kind of Earth's model	The Earth planet							The dark planet					Suit-ability
	Radius	Average Density	Mass	Moment of inertia	Center density	Center Pressure	Moment of inertia coefficient	Radius	Average Density	Mass	Moment of inertia	Moment of inertia coefficient	
	km	g/cm ³	10 ²⁴ g	10 ⁴⁰ g.cm ²	g/cm ³	K bar		km	g/cm ³	10 ²⁴ g	10 ⁴⁰ g.cm ²		
PREM	6371	5.5150	5974.200	80286.400	13.08848	3638.524	0.3309						
Model 1	6371	4.9935	5409.024	77007.472	13.08848	3283.754	0.3508	3808.414	2.4427	565.176	3278.928	0.4000	no
Model 2	6371	4.8635	5268.126	76571.028	11.29785	3039.584	0.3581	3732.304	3.2421	706.074	3715.372	0.3777	no
Model 3	6371	4.8050	5204.761	76378.768	10.46002	2934.587	0.3615	3717.755	3.5747	769.439	3907.632	0.3674	no
Model 4	6371	4.7284	5121.820	76126.841	9.49821	2805.297	0.3662	3700.375	4.0161	852.380	4159.559	0.3564	good