

Properties of Moons of Jupiters

Under this Document, we are going to see and compare some of the orbital Parameters of the 4 Galilean Moons of Jupiter.

Also, refer to the other document to understand the Properties, their definition to have a clear understanding.

Sl. No	PROPERTIES	CALLISTO	GANYMEDE	EUROPA	Io
1	Periapsis (in Kilometers)	18,69,000	10,69,200	6,64,900	4,20,000
2	Apoapsis (in Kilometers)	18,97,000	10,71,600	6,76,900	4,23,400
3	Mean Orbital Radius (in Kilometers)	18,82,700	10,70,400	6,70,900	4,21,700
4	Eccentricity	0.0074	0.0013	0.009	0.0041
5	Orbital Period (in Days)	16.689	7.155	3.551	1.769
6	Orbital Speed (km/sec)	8.2	10.9	13.7	17.3
7	Inclination (in Degree)				
	A) Relative to The Equator of Jupiter	0.192	0.20	0.47	0.05
	B) Relative to The Ecliptic	2.107	2.214	1.791	2.213
8	Synodic Rotation Period	Synchronous	Synchronous	Synchronous	Synchronous
9	Apparent Magnitude	5.65	4.61	5.29	5.02 (At opposition)
10	Angular Diameter (Arc Seconds)	1.7	1.8	1.0	1.2