

Lecture 1: A Tour of the Solar System

The Planets: some vital statistics:-

Name	Diameter* (Earth=1)	Mass (Earth=1)	Mean distance from the Sun
Mercury	4880 km (0.383)	3.302×10^{23} kg (0.055)	5.79×10^7 km (0.387 AU)
Venus	12104 km (0.949)	4.869×10^{24} kg (0.815)	1.082×10^8 km (0.723 AU)
Earth	12756 km (1.000)	5.974×10^{24} kg (1.000)	1.496×10^8 km (1.000 AU)
Mars	6794 km (0.533)	6.418×10^{23} kg (0.107)	2.279×10^8 km (1.524 AU)
Jupiter	142984 km (11.209)	1.899×10^{27} kg (317.8)	7.783×10^8 km (5.203 AU)
Saturn	120536 km (9.449)	5.685×10^{26} kg (95.16)	1.432×10^9 km (9.572 AU)
Uranus	51118 km (4.007)	8.682×10^{25} kg (14.53)	2.871×10^9 km (19.194 AU)
Neptune	49528 km (3.883)	1.024×10^{26} kg (17.15)	4.498×10^9 km (30.066 AU)
Pluto	~2300 km (0.18)	1.3×10^{22} kg (0.0021)	5.915×10^9 km (39.537 AU)

* Equatorial diameter

See also table 6.1 in Astronomy Today