

Alcuni satelliti dei pianeti.

Pianeta	Satellite	Scoperta	Raggio medio dell'orbita (km)	Periodo di rivoluzione (g, h, min)			Diametro (km)
Terra	Luna		384 400	27	7	43	3480
Marte	Phobos	1877, Hall	9 380	0	7	39	~ 13
	Deimos	1877, Hall	23 500	1	6	18	~ 8
Giove	V	1892, Barnard	182 000	0	11	53	~ 270
	I (Io)	1610, Galileo	422 000	1	18	28	3600
	II (Europa)	1610, Galileo	670 000	3	13	14	3100
	III (Ganimede)	1610, Galileo	1 070 000	7	3	43	5300
	IV (Callisto)	1610, Galileo	1 880 000	16	16	32	4800
	VI	1904, Perrine	11 450 000	250	14		160?
	VII	1905, Perrine	11 730 000	259	14		56?
	X	1938, Nicholson	11 750 000	260	12		24?
	XII	1951, Nicholson	21 000 000	625			23?
	XI	1938, Nicholson	22 550 000	700			31?
	VIII	1908, Melotte	23 500 000	739			56?
	IX	1914, Nicholson	23 650 000	758			27?
Saturno	Mimas	1789, Herschel	185 000	0	22	37	390
	Encelado	1789, Herschel	238 000	1	8	53	510
	Teti	1684, Cassini	295 000	1	21	18	1100
	Dione	1684, Cassini	377 000	2	17	41	1100
	Rea	1672, Cassini	527 000	4	12	25	1500
	Titano	1655, Huygens	1 220 000	15	22	41	5100
	Iperione	1848, Bond	1 480 000	21	6	38	~ 410
	Febe	1898, Pickering	12 950 000	550			280
	Giapeto	1671, Cassini	3 560 000	79	7	56	1500
Urano	Miranda	1948, Kuiper	130 000	1	9	56	320?
	Ariel	1851, Lassel	192 000	2	12	29	1400?
	Umbriel	1851, Lassel	267 000	4	3	28	1200?
	Titania	1787, Herschel	438 000	8	16	56	1700?
	Oberon	1787, Herschel	587 000	13	11	7	1500?
Nettuno	Tritone	1846, Lassel	354 000	5	21	3	3200
	Nereide	1949, Kuiper	5 540 000	359	10		940

$$k_{sole} = \frac{T_{terra}^2}{R_{terra}^3} = \frac{(3,16 \cdot 10^7 \text{ sec})^2}{(1,49 \cdot 10^{11} \text{ m})^3} = 3,0 \cdot 10^{-19} \text{ sec}^2/\text{m}^3$$

Il Sistema solare.

	Raggio (m)	Massa (kg)	Raggio medio dell'orbita (m)	Periodo di rivoluzione (s)
Sole	$6,96 \times 10^8$	$1,99 \times 10^{30}$	—	—
Luna	$1,74 \times 10^6$	$7,35 \times 10^{22}$	$3,8 \times 10^8$	$2,36 \times 10^6$
Mercurio	$2,43 \times 10^6$	$3,18 \times 10^{23}$	$5,79 \times 10^{10}$	$7,60 \times 10^6$
Venere	$6,05 \times 10^6$	$4,88 \times 10^{24}$	$1,08 \times 10^{11}$	$1,94 \times 10^7$
Terra	$6,37 \times 10^6$	$5,98 \times 10^{24}$	$1,49 \times 10^{11}$	$3,16 \times 10^7$
Marte	$3,38 \times 10^6$	$6,42 \times 10^{23}$	$2,28 \times 10^{11}$	$5,94 \times 10^7$
Giove	$6,98 \times 10^7$	$1,90 \times 10^{27}$	$7,78 \times 10^{11}$	$3,74 \times 10^8$
Saturno	$5,82 \times 10^7$	$5,68 \times 10^{26}$	$1,43 \times 10^{12}$	$9,30 \times 10^8$
Urano	$2,35 \times 10^7$	$8,68 \times 10^{25}$	$2,87 \times 10^{12}$	$2,66 \times 10^9$
Nettuno	$2,27 \times 10^7$	$1,03 \times 10^{26}$	$4,50 \times 10^{12}$	$5,20 \times 10^9$
Plutone	$\sim 1,5 \times 10^6$	$\sim 10^{22}$	$5,9 \times 10^{12}$	$7,8 \times 10^9$