

	cgs	SI	(eVc)	单位换算
真空光速	$c = 2.998 \times 10^{10} \text{ cm s}^{-1}$	$2.998 \times 10^8 \text{ m s}^{-1}$	1 c	$N_A = 6.022 \times 10^{23} \text{ mol}^{-1}$
引力常数	$G = 6.674 \times 10^{-8} \text{ cm}^3 \text{ g}^{-1} \text{ s}^{-2}$	$6.674 \times 10^{-11} \text{ m}^3 \text{ kg}^{-1} \text{ s}^{-2}$		$1 \text{ rad} = 206265 \text{ arcsec} = 3438 \text{ arcmin} = 57.30^\circ$
单位原子质量	$m_u = 1.661 \times 10^{-24} \text{ g}$	$1.661 \times 10^{-27} \text{ kg}$	931.5 MeV/c^2	$1 \text{ yr} = 3.156 \times 10^7 \text{ s}$
电子质量	$m_e = 9.109 \times 10^{-28} \text{ g}$	$9.109 \times 10^{-31} \text{ kg}$	511.0 keV/c^2	$1 \text{ au} = 1.496 \times 10^{13} \text{ cm} = 215 R_\odot$
元电荷	$e = 4.803 \times 10^{-10} \text{ g}^{1/2} \text{ cm}^{3/2} \text{ s}^{-1}$	$1.602 \times 10^{-19} \text{ C}$	1 e	$1 \text{ ly} = 9.461 \times 10^{17} \text{ cm} = 63240 \text{ au}$
普朗克常数	$h = 6.626 \times 10^{-27} \text{ erg s}$	$6.626 \times 10^{-34} \text{ J s}$	$4.136 \times 10^{-15} \text{ eV s}$	$1 \text{ pc} = 3.086 \times 10^{18} \text{ cm} = 206265 \text{ au} = 3.262 \text{ ly}$
	$\hbar = 1.055 \times 10^{-27} \text{ erg s}$	$1.055 \times 10^{-34} \text{ J s}$	$6.582 \times 10^{-16} \text{ eV s}$	$1 \text{ kpc} = 3.086 \times 10^{21} \text{ cm}$
玻尔兹曼常数	$k_B = 1.381 \times 10^{-16} \text{ erg K}^{-1}$	$1.381 \times 10^{-23} \text{ J K}^{-1}$	$8.617 \times 10^{-5} \text{ eV K}^{-1}$	$1 M_\odot = 1047 M_J, 1 M_J = 318 M_\oplus$
维恩常数	$b = 2.897 \times 10^{-1} \text{ cm K}$	$2.897 \times 10^{-3} \text{ m K}$		$1 R_\odot = 9.73 R_J, 1 R_J = 11.2 R_\oplus$
斯特藩常数	$\sigma = 5.670 \times 10^{-5} \text{ erg cm}^{-2} \text{ s}^{-1} \text{ K}^{-4}$	$5.670 \times 10^{-8} \text{ J m}^{-2} \text{ s}^{-1} \text{ K}^{-4}$		$1 \text{ erg} = 10^{-7} \text{ J}$
黑体辐射常数	$a = \frac{4}{c}\sigma = 7.565 \times 10^{-15} \text{ erg cm}^{-3} \text{ K}^{-4}$	$7.565 \times 10^{-16} \text{ J m}^{-3} \text{ K}^{-4}$		$1 \text{ dyn} = 10^{-5} \text{ N}$
太阳半径	$R_\odot = 6.957 \times 10^{10} \text{ cm}$	$6.957 \times 10^8 \text{ m}$		$1 \text{ Gs} = 10^{-4} \text{ T}$
太阳质量	$M_\odot = 1.989 \times 10^{33} \text{ g}$	$1.989 \times 10^{30} \text{ kg}$		$1 \text{ barn} = 10^{-24} \text{ cm}^2 = 10^{-28} \text{ m}^2$
太阳光度	$L_\odot = 3.828 \times 10^{33} \text{ erg s}^{-1}$	$3.828 \times 10^{26} \text{ W}$		
太阳有效温度	$T_{\odot\text{eff}} = 5778 \text{ K}$	5778 K		
地球平均半径	$R_\oplus = 6.371 \times 10^8 \text{ cm}$	$6.371 \times 10^6 \text{ m}$		
地球质量	$M_\oplus = 5.972 \times 10^{27} \text{ g}$	$5.972 \times 10^{24} \text{ kg}$		