$\mathbf{Ph}_{\mathbf{S}}$	sical	Constants
Gravitational constant	\overline{G}	$= 6.67259 \times 10^{-8} \text{ dyne cm}^2 \text{ g}^{-2}$
Speed of light (exact)	c	$= 2.99792458 \times 10^{10} \text{ cm s}^{-1}$
Planck's constant	h	$= 6.6260755 \times 10^{-27} \text{ erg s}$
	\hbar	$\equiv h/2\pi$ = 1.05457266 × 10 ⁻²⁷ erg s
Boltzmann's constant	k	$\approx 1.380658 \times 10^{-16} \text{ erg K}^{-1}$
Stefan-Boltzmann constant	σ	$= 5.67051 \times 10^{-6} \text{ erg cm}^{-2} \text{ s}^{-1} \text{ K}^{-4}$
Radiation constant	a.	$=4\sigma/c$
		$= 7.56591 \times 10^{-15} \text{ erg cm}^{-3} \text{ K}^{-4}$
Proton mass	$m_{\mathbf{p}}$	$= 1.6726231 \times 10^{-24} \text{ g}$
Neutton mass	m_n	$= 1.674929 \times 10^{-24} \text{ g}$
Electron mass	m_e	$= 9.1093897 \times 10^{-25} \text{ g}$
Hydrogen mass	$m_{I\!I}$	
Atomic mass unit	l u	$= 1.6605402 \times 10^{-24} \text{ g}$
		$-931.49432~{ m MeV}/c^2$
Coulomb law constant (egs)	k_C	≡ 1
(81)		$= 8.9875518 \times 10^{9} \text{ N m}^{2} \text{ C}^{-2}$
Electric charge (cgs)	e	$= 4.803206 \times 10^{-10} \text{ ess}$
(SI)		$= 160217733 \times 10^{-19} \text{ C}$
Electron volt		$= 1.60217733 \times 10^{-12} \text{ erg}$
Avagadro's number		$= 6.0221367 \times 10^{23} \text{ mole}^{-1}$
Gas constant	R.	\rightarrow 8.314510 \times 10 ⁷ ergs mole ⁻¹ K ⁻¹
Bohr radius	a_{\circ}	$=\hbar^2/m_ee^2$
		$= 5.29177249 \times 10^{-9} \text{ cm}$
Rydberg constant	R_{II}	$= \mu e^4 / 4\pi h^3 c$
•		$= 1.09677585 \times 10^{8} \text{ cm}^{-1}$

Astronomical Constants				
Solar mass	$1 \; \mathrm{M_{\odot}} \; \simeq \; 1.989 \times 10^{33} \; \mathrm{g}$			
Solar luminosity	$1 L_{\odot} = 3.826 \times 10^{38} \text{ ergs s}^{-1}$			
Solar radius	$1 R_{\odot} = 6.9599 \times 10^{10} \text{ cm}$			
Solar effective temperature	$T_O = 5770 \text{ K}$			
Earth mass	$1 \text{ M}_{\oplus} = 5.974 \times 10^{27} \text{ g}$			
Earth radius	$1 R_{cc} = 6.378 \times 10^{8} cm$			
Light year	$t ly = 9.4605 \times 10^{17} cm$			
Parsec	$1 \text{ pc} = 3.0857 \times 10^{18} \text{ cm}$			
	= 3.2616 Jy			
Astronomical unit	$1~{\rm AU}~=~1.4960 \times 10^{13}~{\rm cm}$			
Sidercal day	$=~33^{\rm h}~56^{\rm m}~04.09054^{\rm s}$			
Solar day	= 86400 s			
Sidereal year	$= 3.155815 \times 10^7 \text{ s}$			
Tropical year	$= 3.155693 \times 10^7 \text{ s}$			