

NAME	SYMBOL	VALUE	UNIT
Speed of light in vacuum	$c$	299 792 458 (0)	$\text{m}\cdot\text{s}^{-1}$
Permeability of vacuum	$\mu_0$	$4\pi \times 10^{-7}$	$\text{N}\cdot\text{A}^{-2}$
Permittivity of vacuum	$\epsilon_0$	$8.854\ 187\ 817\dots (0)\times 10^{-12}$	$\text{C}^2\cdot\text{N}^{-1}\cdot\text{m}^{-2}$
Avogadro constant	$N_A$	$6.022\ 141\ 79(30) \times 10^{23}$	$\text{mol}^{-1}$
Atomic mass unit	$u$	$1.660\ 538\ 782(83) \times 10^{-27}$	kg
Elementary charge	$e$	$1.602\ 176\ 487(40) \times 10^{-19}$	C
Electron mass	$m_e$	$9.109\ 382\ 15(45) \times 10^{-31}$	kg
Proton mass	$m_p$	$1.672\ 621\ 637(83) \times 10^{-27}$	kg
Neutron mass	$m_n$	$1.674\ 927\ 211(84) \times 10^{-27}$	kg
Proton-electron mass ratio	$m_p/m_e$	1836.152 672 47(80)	
Constant of gravitation	$G$	$6.674\ 28(67) \times 10^{-11}$	$\text{N}\cdot\text{m}^2\cdot\text{kg}^{-2}$
Boltzmann constant	$k$	$1.380\ 6504(24) \times 10^{-23}$	$\text{J}\cdot\text{K}^{-1}$
Molar gas constant	$R$	8.314 472(15)	$\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Molar gas constant	$R$	1.987 206 5(34)	$\text{cal}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Molar gas constant	$R$	0.082 057 46(14)	$\text{atm}\cdot\text{L}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Molar volume of ideal gas (S.T.P.)	$V_m$	22.413 996(39)	$\text{L}\cdot\text{mol}^{-1}$
Faraday constant	$F$	96 485.3399(24)	$\text{C}\cdot\text{mol}^{-1}$
Standard acceleration of gravity	$g$	9.80665 (0)	$\text{m}\cdot\text{s}^{-2}$
Coulomb's law constant	$k$	$8.987\ 551\ 787\ 3\dots(0)\times 10^9$	$\text{N}\cdot\text{m}^2\cdot\text{C}^{-2}$
Planck constant	$h$	$6.626\ 068\ 96(33) \times 10^{-34}$	J·s
	$\hbar$	$1.054\ 571\ 628(53) \times 10^{-34}$	J·s
Rydberg constant (infinite)	$R_\infty$	10 973 731.568 527(73)	$\text{m}^{-1}$
Rydberg constant (hydrogen)	$R_H$	10 967 758.306	$\text{m}^{-1}$
Radio de Bohr	$a_0$	$5.291\ 772\ 0859(36) \times 10^{-11}$	m
Stefan-Boltzmann constant	$\sigma$	$5.670\ 400(40)\times 10^{-8}$	$\text{W}\cdot\text{m}^{-2}\cdot\text{K}^{-4}$
Earth mass	$M_T$	$5.977 \times 10^{24}$	kg
Moon mass	$M_L$	$7.350 \times 10^{22}$	kg
Sun mass	$M_S$	$1.9891 \times 10^{30}$	kg
Earth equatorial radius	$a$	$6.378140 \times 10^6$	m
Earth polar radius	$b$	$6.356755 \times 10^6$	m
Moon radius	$R_L$	$1.738 \times 10^6$	m
Sun radius	$R_S$	$6.960 \times 10^8$	m
Pi constant	$\pi$	3.14159 26535 89793...(0)	
e constant	$e$	2.71828 18284 59045...(0)	

S.T.P.: Standard temperature and pressure:  $T = 0\text{ }^\circ\text{C}$ ,  $P = 1\text{ atm} = 101\ 325\text{ Pa}$