Physical constants

Quantity	Symbol	Value
Avogadro constant	N_A	$6.02214 \times 10^{23}\ \mathrm{mol^{-1}}$
Boltzmann constant	k_B	$1.38065 \times 10^{-23}\ \mathrm{J \cdot K^{-1}}$
Coulomb constant	k	$8.98755 \times 10^{9}\ \mathrm{N \cdot m^2 \cdot C^{-2}}$
Electron mass	m_e	$9.10939 \times 10^{-31}\ \mathrm{kg}$
Elementary charge	e	$1.60218 \times 10^{-19}\ \mathrm{C}$
Gravitational constant	G	$6.67430 \times 10^{-11}\ \mathrm{m^3 \cdot kg^{-1} \cdot s^{-2}}$
Neutron mass	m_n	$1.67493 \times 10^{-27}\ \mathrm{kg}$
Planck constant	h	$6.62607 \times 10^{-34}\ \mathrm{J \cdot Hz^{-1}}$
Proton mass	m_p	$1.67262 \times 10^{-27}\ \mathrm{kg}$
Reduced Planck constant	$\hbar$	$1.05457 \times 10^{-34}\ \mathrm{J \cdot s}$
Rydberg constant	R_H	$1.09737 \times 10^{7}\ \mathrm{m^{-1}}$
Speed of light in vacuum	c	$299792458\ \mathrm{m \cdot s^{-1}}$
Stefan-Boltzmann constant	σ	$5.67037 \times 10^{-8}\ \mathrm{W \cdot m^{-2} \cdot K^{-4}}$
Surface gravity	g	$9.80665\ \mathrm{m \cdot s^{-2}}$
Universal gas constant	R	$8.31446\ \mathrm{J \cdot K^{-1} \cdot mol^{-1}}$
Vacuum electric permittivity	ε_0	$8.85419 \times 10^{-12}\ \mathrm{F \cdot m^{-1}}$
Vacuum magnetic permeability	μ_0	$1.25664 \times 10^{-6}\ \mathrm{N \cdot A^{-2}}$
Wien's displacement constant	b	$2.89777 \times 10^{-3}\ \mathrm{m \cdot K}$