

Selected Physical Constants

Acceleration due to gravity	g	9.80665 m s^{-2}
Speed of light (in vacuum)	c	$2.99792458 \times 10^8 \text{ m s}^{-1}$
Gas constant	R	$0.0820574 \text{ L atm mol}^{-1} \text{ K}^{-1}$ $8.314472 \text{ J mol}^{-1} \text{ K}^{-1}$
Electron charge	e^-	$-1.602176462 \times 10^{-19} \text{ C}$
Electron rest mass	m_e	$9.10938188 \times 10^{-31} \text{ kg}$
Planck's constant	h	$6.62606876 \times 10^{-34} \text{ J s}$
Faraday constant	F	$9.64853415 \times 10^4 \text{ C mol}^{-1}$
Avogadro number	N_A	$6.02214199 \times 10^{23} \text{ mol}^{-1}$