

Physics 30S — Data Tables

Table of Constants

Gravitational Acceleration	$g = 9.8 \text{ m/s}^2$
Speed of Light in a Vacuum	$c = 3.0 \times 10^8 \text{ m/s}^2$
Elementary Charge	$e = 1.60 \times 10^{-19} \text{ C}$
Mass of an Electron	$m_e = 9.11 \times 10^{-31} \text{ kg}$
Mass of a Proton	$m_p = 1.67 \times 10^{-27} \text{ kg}$

Prefixes Table

10^9	giga	G
10^6	mega	M
10^3	kilo	k
10^{-2}	centi	c
10^{-3}	milli	m
10^{-6}	micro	μ
10^{-9}	nano	n