

Physical Constants

Fundamental Electron Charge, e	1.602 x 10⁻¹⁹ C
Mass of Electron, m_e	9.109 x 10⁻³¹ kg
Mass of Proton, m_p	1.673 x 10⁻²⁷ kg
Speed of Light in a vacuum, c	2.998 x 10⁸ m/s
Universal Gravitation Constant, G	6.67 x 10⁻¹¹ Nm²/kg²
Coulomb's Constant, k	9 x 10⁹ Nm²/C²
Avogadro's Number, N_A	6.022 x 10²³ mol⁻¹
Radius of Earth, r_E	6.38 x 10⁶ m
Mass of Earth, m_E	5.98 x 10²⁴ kg

SI Prefixes

Factor	Prefix	Symbol
10 ²⁴	yotta	Y
10 ²¹	zetta	Z
10 ¹⁸	exa	E
10 ¹⁵	peta	P
10 ¹²	tera	T
10 ⁹	giga	G
10 ⁶	mega	M
10 ³	kilo	k
10 ²	hecto	h
10 ¹	deca	da
10⁰	unit	m, s, g, etc. Scale
10 ⁻¹	deci	d
10 ⁻²	centi	c
10 ⁻³	milli	m
10 ⁻⁶	micro	μ
10 ⁻⁹	nano	n
10 ⁻¹²	pico	p
10 ⁻¹⁵	femto	f
10 ⁻¹⁸	atto	a
10 ⁻²¹	zepto	z
10 ⁻²⁴	yocto	y

The Greek Alphabet

alpha	A	α
beta	B	β
gamma	Γ	γ
delta	Δ	δ
epsilon	E	ε
zeta	Z	ζ
eta	H	η
theta	Θ	θ
iota	I	ι
kappa	K	κ
lambda	Λ	λ
mu	M	μ
nu	N	ν
xi	Ξ	ξ
omicron	O	ο
pi	Π	π
rho	P	ρ
sigma	Σ	σ
tau	T	τ
upsilon	Υ	υ
phi	Φ	φ
chi	X	χ
psi	Ψ	ψ
omega	Ω	ω

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