

Physics

Physical Constants

Quantity	Symbol	Value	Unit
speed of light	c	2.99792458×10^8	m s^{-1}
Plank Constant	h	$6.626070040(81) \times 10^{-34}$	J s
electron mass	m_e	$9.10938356(11) \times 10^{-31}$	kg
proton mass	m_p	$1.672621898(21) \times 10^{-27}$	kg
neutron mass	m_n	$1.674927471(21) \times 10^{-27}$	kg

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	deka	da
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

Physics Formulae

$$E = mc^2 \quad (1)$$