

Some Symbols used in Physics

Greek characters

Symbol	Pronunciation	Use
α	alpha	angular acceleration
π	pi	mathematical constant
θ	theta	angular displacement
τ	tau	torque
ϵ	epsilon	permittivity, potential difference (voltage)
ϕ	phi	magnetic flux, work function
λ	lambda	wavelength
μ	mu	prefix to units indicating a factor of 10^{-3}
ρ	rho	resistivity
ω	omega	angular velocity, angular frequency
Ω	omega	unit of resistance (ohm)

Prefixes for Units

Prefix	Abbreviation	Value
yotto	y	10^{24}
zepto	z	10^{21}
atto	a	10^{18}
femto	f	10^{15}
pico	p	10^{12}
nano	n	10^9
micro	μ	10^6
milli	m	10^3
centi	c	10^2
deci	d	10^1
deca	da	10^1
hecto	h	10^2
kilo	k	10^3
mega	M	10^6
giga	G	10^9
tera	T	10^{12}
peta	P	10^{15}
exa	E	10^{18}
zetta	Z	10^{21}
yotta	Y	10^{24}