	constant/notation	scalar	vector	unit/prefix
a		acceleration	acceleration	atto (−18)
b		resistive constant		
c	speed of light			centi (−2)
d	infinitesimal change	distance	displacement	deci (−1)
e	Napier's constant fundamental charge			
f		frequency		femto (−15)
g			gravitational field	gram $\left(10^{-3}\ \text{kg}\right)$
h	Planck's constant	distance	displacement	hecto (+2)
i	imaginary constant		unit vector	
j			unit vector	
k		spring constant	unit vector	kilo (+3)
ℓ		length	displacement	
m		mass		milli (−3) meter
n		bare number		nano (−9)
o		not used to avoid confusion		
p			momentum	pico (−12)
q	fundamental charge	charge		
r	coordinate/axis	radius	radius	
s		distance	displacement	second
t		time		
u	atomic mass unit			atomic mass unit
v		speed	velocity	
w				
x	coordinate/axis	distance	displacement	
y	coordinate/axis	distance	displacement	yocto (−24)
z	coordinate/axis	distance	displacement	zepto (−21)
A		area amplitude	area	ampere
B			magnetic flux density	

	constant/notation	scalar	vector	unit/prefix
C		capacitance		coulomb $(\text{A}\cdot\text{s})$
D			electric displacement field	
E		energy	electric field	exa (+18)
F			force	farad $\left(\text{A}^2\cdot\text{s}^4\cdot\text{kg}^{-1}\cdot\text{m}^{-2}\right)$
G	gravitational constant	electrical conductance		giga (+9)
H			magnetic field strength	henry $\left(\text{kg}\cdot\text{m}^2\cdot\text{A}^{-2}\cdot\text{s}^{-2}\right)$
I		moment of inertia current	current	
J			impulse current density	joule $\left(\text{kg}\cdot\text{m}\cdot\text{s}^{-2}\right)$
K		kinetic energy		Kelvin
L		inductance	angular momentum	liter $\left(10^{-3}\ \text{m}^3\right)$
M		mass		mega (+6)
N		bare number		Newton $\left(\text{kg}\cdot\text{m}\cdot\text{s}^{-2}\right)$
O		not used to avoid confusion		
P		pressure	pressure	peta (+15)
Q		charge heat		
R		radius electrical resistance		
S		entropy		
T		period temperature		tera (+12) tesla $\left(\text{kg}\cdot\text{A}^{-1}\cdot\text{s}^{-2}\right)$
U		potential energy		
V		electric potential volume		volt $\left(\text{kg}\cdot\text{m}^2\cdot\text{A}^{-1}\cdot\text{s}^{-3}\right)$
W		work		watt $\left(\text{kg}\cdot\text{m}^2\cdot\text{s}^{-3}\right)$
X				

	constant/notation	scalar	vector	unit/prefix
Y				yotta (+24)
Z				zetta (+21)
α		angular acceleration	angular acceleration	
β				
γ				
δ				
ε	permittivity			
ζ				
η	efficiency			
θ	coordinate/axis	angle	angular displacement	
ι				
κ		torsion constant dielectric constant		
λ		linear density		
μ	permeability	coefficient of friction	magnetic dipole moment	micro (−6)
ν		frequency		
ξ				
o	not used to avoid confusion			
π	Archimedes' constant			
ρ	coordinate/axis	volume density resistivity		
σ		area density electrical conductivity		
τ		time constant	torque	
υ				
φ	coordinate/axis	phase constant		
χ	susceptibility			
ψ				
ω		angular frequency angular speed	angular velocity	

	constant/notation	scalar	vector	unit/prefix
A		not used to avoid confusion		
B		not used to avoid confusion		
Γ				
Δ	macroscopic change			
E		not used to avoid confusion		
Z		not used to avoid confusion		
H		not used to avoid confusion		
Θ				
I		not used to avoid confusion		
K		not used to avoid confusion		
Λ				
M		not used to avoid confusion		
N		not used to avoid confusion		
Ξ				
O		not used to avoid confusion		
Π	product			
P		not used to avoid confusion		
Σ	sum			
T		not used to avoid confusion		
Υ		not used to avoid confusion		
Φ		flux		
X		not used to avoid confusion		
Ψ				
Ω		resistance		ohm $\left(\mathrm{kg}\cdot\mathrm{m}^2\cdot\mathrm{A}^{-2}\cdot\mathrm{s}^{-3}\right)$
$\mathscr{P}$		power		
$\mathscr{E}$		electromotive force (emf)		