

Linear displacement		Radius of object		Angular displacement		Linear velocity	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
d	m	r	m	θ	rad	v	ms⁻¹
Angular velocity		Acceleration		Angular acceleration		Time	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
ω	rads⁻¹	a	ms⁻²	α	rads⁻²	t	s
Kinetic energy		Rotational Inertia		torque		mass	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
E_k	J	I	Kgm²	τ	Nm	m	kg

Displacement from equilibrium position		Spring constant		Length of pendulum		Acceleration due to gravity	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
y	m	k	Nm⁻¹	l	m	g	ms⁻²
Angular momentum		Impulse		Distance between the centre of masses		Period of oscillation	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
L	Kgm²s⁻¹	Δp	Ns	r	m	T	s
Universal Gravitational constant		Amplitude of oscillation		Potential energy		Force	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
G	Nm²kg⁻²	A	m	E_p	J	F	N

Force due to gravity		momentum		frequency		Rotational kinetic energy	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
F_g	N	p	kgms^{-1}	f	Hz	$E_{K(\text{rot})}$	J
Initial angular velocity		Final angular velocity		Mass of an object		Mass of another object	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
ω_i	rads^{-1}	ω_f	rads^{-1}	M	kg	m	kg
Time period		Acceleration due to gravity		Distance moved		Net Force	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
T	S	g	ms^{-2}	d	m	F_{NET}	N

Linear kinetic energy		Work done					
SYMBOL	UNIT	SYMBOL	UNIT				
$E_{K(\text{lin})}$	J	W	J				