



CHAPTER 24

Units Used In The Book

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1 Quantities used in the book

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August 27, 2021

1 QUANTITIES USED IN THE BOOK

Physical Quantities

Quantity	Unit name	Unit symbol
Amplitude (A)	meter	m
Atomic mass unit (amu)	u	u
Average acceleration ($a_{av}^{\vec{}}$)	metre per second squared	m.s⁻²
Average speed v_{av}	meter	m
Average velocity ($v_{av}^{\vec{}}$)	metre per second	m.s⁻¹
Charge (Q)	coulomb	C
Concentration (C)	mol per decimetre cubed	<i>mol · dm⁻³</i>
Current (I)	ampere	A
Density (d)	grams per centimetre cubed	<i>g · cm⁻³</i>
Displacement (Δx)	meter	m
Distance (D)	meter	m
Energy (E)	Joule	J
Frequency (f)	Hertz	Hz
Instantaneous acceleration (\vec{a})	metre per second squared	m.s⁻²
Instantaneous speed (v_{av})	meter per second	m.s⁻¹
Instantaneous velocity (\vec{v})	meter per second	m.s⁻¹
Intensity (I)	decibel	dB
Magnitude of acceleration (a)	metre per second squared	m.s⁻²

Quantity	Unit name	Unit symbol
Mass (m)	gram	g
Molar mass (M)	gram per mol	$g \cdot mol^{-1}$
Mole (n)	mole	mol
Period (T)	second	s
Position (x)	meter	m
Potential difference (V)	Volt	V
Pulse speed (v)	meter per second	m.s⁻¹
Resistance (R)	Ohm	Ω
Temperature (T)	degrees	$^{\circ}$
Volume (V)	decimeter cubed	dm⁻³
Wavelength (λ)	meter	m
Wavespeed (v)	meter per second	m.s⁻¹