

Physics

1. Introduction
2. Mechanics of solid bodies
3. Harmonic motion, wave motion and sound
4. Mechanics of fluids
5. Principles of thermodynamics
6. Theory of electricity
7. Magnetism and Electromagnetism
8. Optics
 - 8.1 Optics - Basic terms
 - 8.2 Optics - Optical imaging by lenses and mirrors
 - 8.3 Optics - The human eye and simple optical instruments
 - 8.4 Optics - Wave properties of light
 - 8.5 Optics - An introduction to photometry
9. Theory of relativity
10. Principles of quantum, atomic and nuclear physics
 - 10.1 Principles of quantum, atomic and nuclear physics - Introduction
 - 10.2 Principles of quantum, atomic and nuclear physics - Properties of electron shells
 - 10.3 Principles of quantum, atomic and nuclear physics - The atomic nucleus
 - 10.4 Principles of quantum, atomic and nuclear physics - Detection and measurement of ionizing radiation