

Mathematical Physics

1. Mathematical Methods in the Physical Sciences : Mary L. Boas
2. Advanced Engineering Mathematics: Erwin Kreyszig
3. Mathematical Physics: H. K. Dass

Classical Mechanics

1. Classical Mechanics : J.C. Upadhyaya
2. Classical Mechanics : Herbert Goldstein
3. An Introduction to Mechanics: Kleppner & Kolenkow
4. Concept of Physics (Volume I): H. C. Verma

Electromagnetic Theory

1. Introduction to Electrodynamics: David J. Griffiths
2. Classical Electrodynamics: Walter Griener
3. Electricity & Magnetism: B. Ghosh

Quantum Mechanics

1. Quantum Mechanics Concepts & Applications: Nouredine Zettili
2. Introduction to Quantum Mechanics: David J. Griffiths
3. Quantum Physics: H.C. Verma
4. Quantum mechanics: 500 problems with solutions: G. Aruldas

Thermodynamics and Statistical Physics

1. Fundamentals of Statistical & Thermal Physics: F. Rief
2. Statistical Mechanics: R. K. Patharia
3. Thermal Physics: Garg, Bansal, Ghosh
4. A Textbook of Statistical Mechanics: Suresh Chandra

Electronics & Experimental Methods

1. Digital Electronics: Malvino & Leach
2. Electronic Devices & Circuit Theory: Boylestad & Nashelsky
3. Electronic Devices & Circuits: Jacob Millman & Christos C. Halkias

Atomic & Molecular Physics

1. Atomic and Molecular Physics: Raj Kumar
2. Fundamental of Molecular Spectroscopy: Colin N. Banwell & Elaine M. McCash
3. Introduction to Atomic Spectra: Harvey Elliott White

Condensed Matter Physics

1. Introduction to Solid State Physics: Charles Kittel
2. Solid State Physics: Puri & Babbar
3. Solid State Physics: M. A. Wahab

Nuclear and Particle Physics

1. Nuclear Physics: D. C. Tayal
2. Nuclear Physics, An Introduction: S. B. Patel
3. Introduction to Elementary Particles: David J. Griffiths