Post-Graduate Level Reference Books for PHYSICS

Classical Mechanics

1. Classical Mechanics by Herbert Goldstein

2. Classical Mechanics by J.C. Upadhyaya

Mathematical Physics

1. Advanced Engineering Mathematics by Erwin Kreyszig

2. Mathematical Methods in the Physical Sciences by Mary L. Boas

3. Mathematical Methods for Physicists by George B. Arfken

Quantum Mechanics

1. Introduction to Quantum Mechanics by D.J. Griffith

2. Quantum mechanics concept and applications by N. Zettili

Thermodynamics and statistical Mechanics

1. Concepts in Thermal Physics by Stephen J. Blundell

2. Thermodynamics by Garg, Bansal and Ghosh

3. Fundamentals of Statistical Mechanics and Thermal Physics by F. Reif

4. Statistical Mechanics by R.K Pathria

Electromagnetic Theory

1. Introduction to Electrodynamics by David J. Griffiths

2. Principles of Electromagnetics by Matthew N. O. Sadiku

Nuclear Physics

1. Concepts of Modern Physics by Beiser, Mahajan and Choudhury

2. Nuclear Physics and introduction by S.B. Patel

Solid State Physics

1. Introduction to Solid State Physics by C. Kittel

2. Solid State Physics by Gupta Kumar Sharma

3. Solid State Physics by Puri & Babbar

Atomic and Molecular Physics

1. Atomic and Molecular Spectra by Raj Kumar

2. Fundamentals of Molecular Spectroscopic by Banwell

Electronics

1. Semiconductor Physics by Streetman

2. Electronic devices and circuit theory by Boylestad and Nashelsky

3. Op-Amps and Linear Integrated Circuits by Ramakant A. Gayakwad

4. Digital Fundamentals by Flyod

Experimental Design and Methods

1. Radiation detection and measurement by Glenn F. Knoll

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