



Fundamentals of Electricity and Magnetism (3rd Revised edition)

By S. K. Chatterjee

Prentice-Hall of India Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, Fundamentals of Electricity and Magnetism (3rd Revised edition), S. K. Chatterjee, Primarily intended as a textbook for undergraduate students of physics, this provides comprehensive coverage of electricity and magnetism. Organised in 12 chapters, the book begins with mathematical preliminaries that deal with vector algebra. The text covers a wide range of topics, such as electrostatics, current electricity, magnetism and magnetic effect of current. It provides thorough coverage of electromagnetic induction, varying current, alternating current and their applications; and explains the heating effect of current, thermoelectricity, theory of magnetism, semiconductors and superconductivity. Topics such as Maxwell's equations, electromagnetic waves, plasma state of matter, discharge of electricity through gases and magnetohydrodynamics are also dealt with. The book features worked-out problems in chapters, as well as chapter-end review exercises which will enable students to get a more in-depth understanding of key concepts.



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