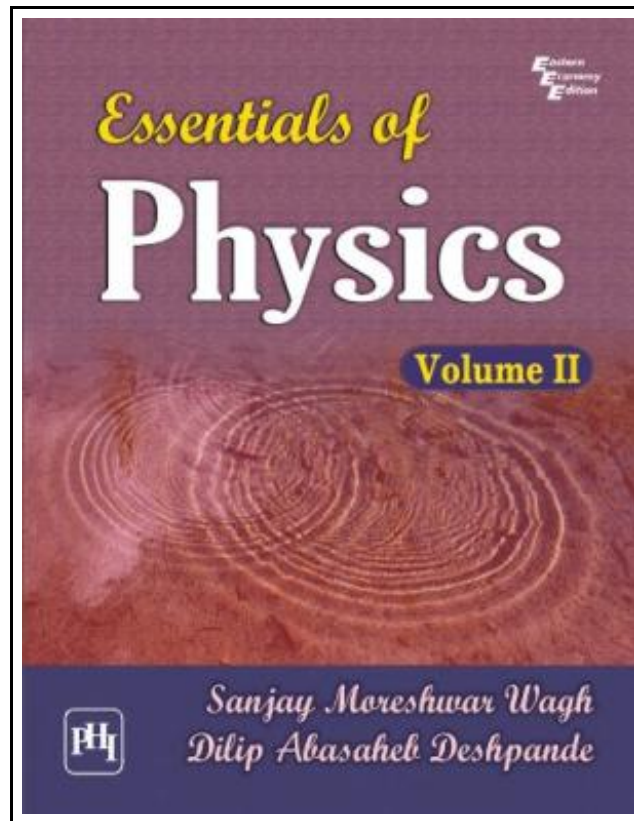


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ESSENTIALS OF PHYSICS, VOLUME-2



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PHI Learning, 2012. Softcover. Book Condition: New. First edition. Essentials of Physics is a comprehensive study of the fundamental concepts that form the basis of Physics. A sequel to Volume one, this book provides a detailed coverage of all the basic concepts of Physics like optics, electromagnetism, electric circuits, and atomic spectra. The topics are dealt with logically, emphasizing the role of mathematics and statistics into them. Each chapter is dealt with a separate phenomenon, that is further supported by mathematical equations and their derivations and solved examples. The figures and tables are added to give an analytical insight to the concepts explained. The book is designed specifically for the introductory-level college physics courses. Besides, it will be equally suitable for the students preparing for various competitive examinations. Key Features ? Contains Numerical Problems and Multiple Choice Questions to check students' comprehension on the subject. ? Includes Appendices on data, symbols, and important results used in Physics and Mathematics. Contents: Preface Chapter 1 Geometrical Optics or Ray Optics Chapter 2 Dispersion of Light and Aberration Chapter 3 Wave Theory and Interference Chapter 4 Diffraction of Light Chapter 5 Polarization of Light Chapter 6 Optical Instruments Chapter 7 Speed of Light Chapter 8 Sound Chapter 9 Static Electricity I Chapter 10 Static Electricity II Chapter 11 Electric Current, Resistivity and Conductivity Chapter 12 EMF and Current Chapter 13 Magnetism I Chapter 14 Magnetism II Chapter 15 Inductance, and Alternating Electrical Quantities Chapter 16 Thermoelectricity and Chemical Effects of Electric Current Chapter 17 Electromagnetic Waves Chapter 18 Atomic Spectra and the Structure of Atom Chapter 19 What Kind of Physical Body is Light? Appendix A Some Advance Topics Appendix B Multiple Choice Questions Appendix C Questions asked in the Competitive Examinations Appendix D Supplementary Material Bibliography ? Answers to Problems ? Index...



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