



Fundamentals of Optics

By Devraj Singh

Prentice-Hall of India Pvt.Ltd, India, 2015. Paperback. Book Condition: New. 2nd Revised edition. 235 x 178 mm. Language: N/A. Brand New Book. Now in its second edition, this thoroughly revised and updated text is primarily intended as a textbook for undergraduate students of physics. The book provides a sound understanding of the fundamental concepts of optics. The book includes a wide range of topics, including Fermat's principle, geometrical optics, dispersion, interference, diffraction and polarization of light waves, optical instruments and lens aberrations. It also discusses electromagnetic waves, the fundamentals of vibrations and wave motion. The text explains the concepts through extensive use of line drawings. The topics covered include proper explanations and simple mathematical formulations. New to the second edition: * Incorporates two new chapters - Fundamentals of Vibrations and Wave Motion . * Includes worked-out examples. * Provides Formulae at a Glance and conceptual questions with answers for quick revision. Key features: * Provides solved numerical problems to help with understanding. * Includes multiple choice questions and theoretical questions. * Contains unsolved numerical problems with answers to build problem-solving skills.



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