



## Classical Electrodynamics (Hardback)

By S. p. Puri

Alpha Science International Ltd, United Kingdom, 2011. Hardback. Condition: New. Language: English . Brand New Book. Classical Electrodynamics covers the development of Maxwell's theory of electromagnetism in a systematic manner and comprises the time-independent electric and magnetic fields, boundary value problems and Maxwell's equations. The generation and propagation of electromagnetic waves in unbounded and bounded media, special theory of relativity, charged particle dynamics, magneto-hydrodynamics and the formal structure of covariance as applied to Maxwell's theory are also included. In addition, the emission of radiation from accelerated charges and the resulting radiation reaction including Bremsstrahlung, Cerenkov radiation; scattering, absorption, causality and dispersion relations are covered adequately. The energy loss from charged particles, multipole radiation and Hamiltonian formulation of Maxwell's equations, constitute the finale of the book.

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