



Modern Physics An Introductory Text 2nd Edition

By Jeremy I Pfeffer

Imperial College Press. Paperback. Book Condition: New. Paperback. 676 pages. Dimensions: 9.7in. x 6.5in. x 1.6in. This second edition of the successful textbook, *Modern Physics: An Introductory Text*, preserves the unique blend of readability, scientific rigour and authenticity that made its predecessor so indispensable a text for non-physics science majors. As in the first edition, it sets out to present 20th century physics in a form accessible and useful to students of the life sciences, medicine, agricultural, earth and environmental sciences. It is also valuable as a first reader and source text for students majoring in the physical sciences and engineering. Two new chapters have been added, one on Einstein's elucidation of Brownian Motion and the second on Quantum Electrodynamics. Taking the discovery of the electron, the formulation of Maxwellian electromagnetism and Einstein's elucidation of Brownian motion as its starting point, the text proceeds to a comprehensive presentation of the three seminal ideas of 20th century physics: Special and General Relativity, Quantum Theory and the Nuclear Atom. From here the text moves on to the new discoveries prompted by these ideas, their impact on our understanding of natural phenomena and their application to the development and invention of the devices and...



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