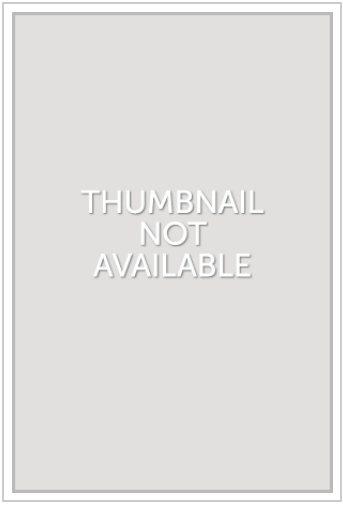

Physics for Engineering Applications

By Sanjiv Puri

Narosa Publishing House, 2010. Softcover. Book Condition: New. Physics for Engineering Applications introduces the fundamental concepts pertaining to important sub-fields of physics, namely, Waves, Optics, Electromagnetics, Quantum Mechanics, Radiation Physics and Solid-State Physics. Besides, the technologically important topics of Quantum Computing, Nano Materials, and Radiation detectors and shielding materials, are introduced for undergraduate students in a simple and self explainatory manner. This textbook will be useful for B.E. / B.Tech. students taking up Applied Physics course, as well as those appearing for GATE exams and A.M.I.E. students. Key Features ? Introduces latest applications based on concepts of quantum mechanics, Radiation physics and solid-state physics ? 200 solved problems Table of Contents Preface / Oscillations and Waves: Simple Harmonic Oscillations / Damped Harmonic Oscillations / Forced Oscillations / Ultrasonic Waves / Optics: Interference of Light / Diffraction of Light / Resolving Power of Optical Instruments / Polarization of Light / Lasers and their Applications / Optical Fibers / Electromagnetics: Scalar and Vector Fields / Maxwell Equations / Electromagnetic Waves / Quantum Mechanics: Special Theory of Relativity / Introduction to Quantum Physic / Quantum Mechanics / Basics of Quantum Computations / Statistical Physics Radiation Physics: Radioactivity and its Applications / X-rays and...

Reviews

This book is definitely not effortless to start on reading through but extremely fun to learn. Better then never, though i am quite late in start reading this one. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Aliya Franecki***

This book is great. it absolutely was writtern really perfectly and beneficial. You may like how the blogger compose this book.

-- ***Pink Haley***