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# **Physics for Engineers, 2nd Edition**

M R Srinivasan



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### Physics for Engineers, 2nd Edition

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This is the second edition of a comprehensive text that covers all the major topics of physics taught in courses worldwide, with the emphasis on practical application. The purpose of the book is to present the principles and concepts as relevant to engineering. It deals with the various disciplines of physics - acoustics, optics, modern physics, quantum physics and nanotechnology - explaining the basic theory of the subject as well as the practical day to day usage and application in engineering.

The author writes in a clear lucid style which adds to the easy presentation and understanding of the concepts under discussion. There are numerous problems and solved examples in each chapter, and over 700 figures within the body of the book help to illustrate the text.

This is an outstanding physics textbook that will be valued by graduates and professionally qualified engineers across all disciplines.

Contents:

Vibrations and Resonance Acoustics of Buildings Ultrasonics Interference Diffraction Polarization of light and Photoelasticity Lasers Holography Fiber Optics Modern Physics X-rays Basic Quantum Mechanics Quantum Computation Basics of Nanotechnolgoy

#### **KEY POINTS:**

Comprehensive, multi disciplinary New edition of successful textbook Widespread readership

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