



## Engineering Physics Fundamentals & Modern Applications

By A. Swarup, P. Khare

Laxmi Publications Pvt. Ltd, 2008. Softcover. Book Condition: New. This text/reference provides students, practicing engineers, and scientists with the fundamental physical laws and up to date applications used in industry. Unlike many competitors, the book begins with modern physics theory (i.e., quantum physics) and its current applications, including laser techniques and fiber optics, nuclear fusion, digital electronics, wave optics, and more. An extensive review of Boolean algebra and logic gates is also included. Because of its in-text examples with solutions and self-study exercise sets, the book can be used as a refresher for engineering licensing exams or as a full year course. It emphasizes only the level of mathematics needed to master concepts used in industry. The accompanying CD-ROM has simulations, demos, and other resources to illustrate the concepts in the book. **KEY FEATURES** Designed as a text/reference to provide students and practicing engineers with information on modern physics theory and industry applications Modern applications are discussed in detail, including laser techniques, holograms, fiber optics, nuclear fusion, digital electronics, wave optics, and more Includes material on Boolean algebra and logic gates CD-ROM includes simulations, demos, and other resources **Contents:** 1. Quantum Physics 2. Electron Optics 3. Geometrical Optics 4. Wave Theory...

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