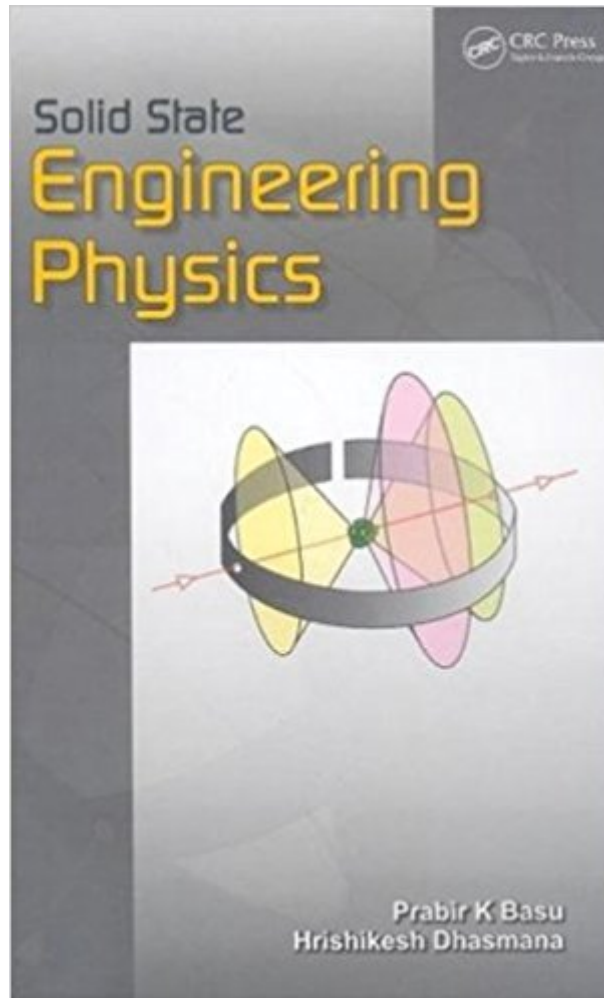




**Ebook Directory**  
the best source of ebook

The book was found

# Solid State Engineering Physics



## Synopsis

This text first deals with the crystal structure of new materials, discussing point defects both qualitatively and quantitatively. Focusing on quantum physics, the next chapter examines the dual nature of particles and the Schrodinger equation. The authors then cover the free electron theory of metals and semiconductors. They also study the details of photoconductors and photovoltaic cells as well as the magnetization factor for various magnetic materials, which offers an understanding of the controlling parameter responsible for the origin of magnetization within the material. The final chapter focuses on the exciting phenomenon of superconductivity.

## Book Information

Hardcover: 184 pages

Publisher: CRC Press; 1 edition (April 1, 2009)

Language: English

ISBN-10: 1439806470

ISBN-13: 978-1439806470

Product Dimensions: 6.2 x 0.6 x 9.2 inches

Shipping Weight: 14.4 ounces (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars 1 customer review

Best Sellers Rank: #8,628,936 in Books (See Top 100 in Books) #78 in [Books > Science & Math > Physics > Engineering](#) #4818 in [Books > Science & Math > Physics > Solid-State Physics](#) #7304 in [Books > Science & Math > Physics > Electromagnetism](#)

## Customer Reviews

Udhaya Energy Photovaltiacs Indian Institute of Technology

It's okay is a bit of a stretch. This book is well composed, but not well written. This is really the fault of the editors who didn't have anyone proof read it apparently. There were lots of misspellings, awkward phrasing, repetition of words, etc. There were also errors in the simple trig that they did in chapter 1. They claimed that cosine is the adjacent divided by the hypotenuse. Get something better if you're interested in solid state physics unless they decide to fix the grammatical errors in a new edition.

[Download to continue reading...](#)

The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials

Science, and Engineering (Oxford Physics Series) The Floridas: The Sunshine State \* The Alligator State \* The Everglade State \* The Orange State \* The Flower State \* The Peninsula State \* The Gulf State Solid-State Physics: An Introduction to Principles of Materials Science (Advanced Texts in Physics (Paperback)) Conductors, Semiconductors, Superconductors: An Introduction to Solid State Physics (Undergraduate Lecture Notes in Physics) Solid State Physics for Engineering and Materials Science Solid State Engineering Physics Solid State Physics Theory of Electron Transport in Semiconductors: A Pathway from Elementary Physics to Nonequilibrium Green Functions (Springer Series in Solid-State Sciences) Fundamentals of Network Analysis and Synthesis (Prentice-Hall electrical engineering series. Solid state physical electronics series. Prentice-Hall networks series) Optical Processes in Semiconductors (Prentice-Hall electrical engineering series. Solid state physical electronics series) Solid Waste Engineering: A Global Perspective (Activate Learning with these NEW titles from Engineering!) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Physics for Kids : Electricity and Magnetism - Physics 7th Grade | Children's Physics Books Six Ideas that Shaped Physics: Unit N - Laws of Physics are Universal (WCB Physics) Quantum Electrodynamics: Gribov Lectures on Theoretical Physics (Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology) Six Ideas That Shaped Physics: Unit R - Laws of Physics are Frame-Independent (WCB Physics) Problem-Solving Exercises in Physics: The High School Physics Program (Prentice Hall Conceptual Physics Workbook) Statistical Physics: Theory of the Condensed State (Course of Theoretical Physics Vol. 9) Engineering Physics: Fundamentals & Modern Applications (Physics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)