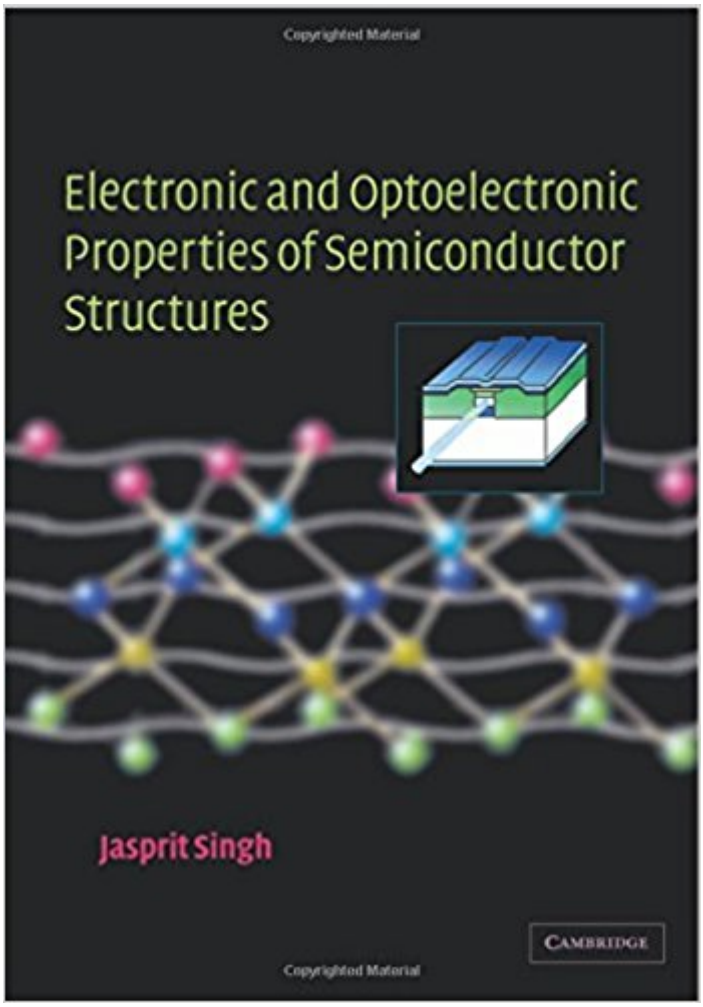
Electronic And Optoelectronic Properties Of Semiconductor Structures



Synopsis

Jasprit Singh presents the underlying physics behind devices that drive today's technologies, utilizing carefully chosen solved examples to convey important concepts. Real-world applications are highlighted throughout the book, stressing the links between physical principles and actual devices. The volume provides engineering and physics students and professionals with complete coverage of key modern semiconductor concepts. A solutions manual and set of viewgraphs for use in lectures is available for instructors, from solutions@cambridge.org.

Book Information

Paperback: 560 pages

Publisher: Cambridge University Press; 1 edition (March 26, 2007)

Language: English

ISBN-10: 0521035740

ISBN-13: 978-0521035743

Product Dimensions: 6.8 x 1.1 x 9.7 inches

Shipping Weight: 2.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #1,567,078 in Books (See Top 100 in Books) #103 inÃ Â Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #255 inÃ Â Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors #507 inÃ Â Books > Science & Math > Physics > Solid-State Physics

Customer Reviews

"Professor Singh has produced another excellent volume that will be a valuable source for both new entrants and the established in the field of optoelectronic semiconductor structures." IEEE Circuits and Devices Magazine"The writing style is clear and concise and the figures are of high quality." Materials Today

In this graduate textbook, Jasprit Singh presents the underlying physics behind devices that drive today's technologies. The book utilizes carefully chosen solved examples to convey important concepts and has over 250 figures and 200 homework exercises. Real-world applications are highlighted throughout the book, stressing the links between physical principles and actual devices. It provides engineering and physics students and practitioners with complete and coherent coverage of key modern semiconductor concepts. A solutions manual and set of viewgraphs for use

in lectures is available for instructors, from solutions@cambridge.org.

This is a helpful reference of properties of semiconductors the nomenclature follows that of other books by Singh. Hence this is very helpful for those who are already familiar with Singh's writings.

Totally ok! No problem at all. Received the book in good shape as it was disclaimed. No delay and good vendor

Electronic and Optoelectronic Properties of Semiconductor Structures Semiconductor Physics and Applications (Series on Semiconductor Science and Technology) Handbook of Organic Materials for Optical and (Opto)Electronic Devices: Properties and Applications (Woodhead Publishing Series in Electronic and Optical Materials) Optoelectronic Technology and Lightwave Communications Systems The Physics of Semiconductors: With Applications to Optoelectronic Devices Dental Materials: Properties and Manipulation, 9e (Dental Materials: Properties & Manipulation (Craig)) Dental Materials: Properties and Manipulation, 8e (Dental Materials: Properties & Manipulation (Craig)) Band Theory and Electronic Properties of Solids (Oxford Master Series in Physics) Electronic Structure and the Properties of Solids: The Physics of the Chemical Bond (Dover Books on Physics) Transition Metal Oxides: An Introduction to Their Electronic Structure and Properties (The International Series of Monographs on Chemistry) Electronic Properties of Materials Handbook of Polyethylene: Structures: Properties, and Applications (Plastics Engineering) Engineering Materials Technology: Structures, Processing, Properties, and Selection (5th Edition) Engineering Materials Technology: Structures, Processing, Properties and Selection (4th Edition) Antifungal Azoles: A Comprehensive Survey of their Structures and Properties Macromolecules, Volume 3: Physical Structures and Properties (v. 3) Proteins: Structures and Molecular Properties Electronic Document Preparation and Management for CSEC Study Guide: Covers latest CSEC Electronic Document Preparation and Management syllabus. Electronic Cigarette: The Ultimate Guide for Understanding E-Cigarettes And What You Need To Know (Vaping Pen, Electronic Hookah, E-Hookah, E-Liquid, Alternative, Juice, G-Pen, Starter Kit) Essentials of Electronic Testing for Digital, Memory and Mixed-Signal VLSI Circuits (Frontiers in Electronic Testing)

Privacy

FAQ & Help