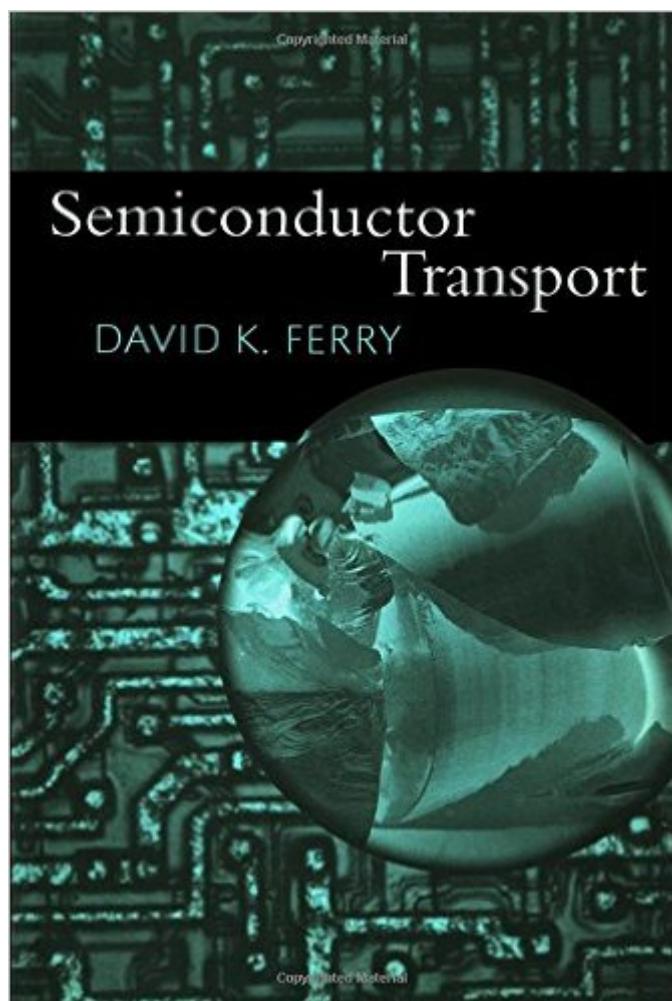


The book was found

Semiconductor Transport



Synopsis

The information revolution would have been radically different, or impossible, without the use of the materials known generically as semiconductors. The properties of these materials, particularly the potential for doping with impurities to create transistors and diodes and controlling the local potential by gates, are essential for microelectronics. Semiconductor Transport is an introductory text on electron transport in semiconductor materials and is written for advanced undergraduates and graduate students. The book provides a thorough treatment of modern approaches to the transport properties of semiconductors and their calculation. It also introduces those aspects of solid state physics, which are vitally important for understanding transport in them.

Book Information

Paperback: 384 pages

Publisher: CRC Press; 1 edition (March 18, 2000)

Language: English

ISBN-10: 0748408665

ISBN-13: 978-0748408665

Product Dimensions: 6 x 0.9 x 9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,980,154 in Books (See Top 100 in Books) #350 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors #507 in Books > Science & Math > Physics > Electromagnetism > Electricity #522 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Microelectronics

Customer Reviews

Ferry; David Arizona State University, Tempe, USA,

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

Semiconductor Transport Modeling Groundwater Flow and Contaminant Transport (Theory and Applications of Transport in Porous Media) Freight Forwarding and Multi Modal Transport Contracts (Maritime and Transport Law Library) ASTNA Patient Transport: Principles and Practice (Air & Surface Patient Transport: Principles and Practice) Transport Nursing (CTRN) Review (Certification in Transport Nursing Book 1) Fault-Tolerance and Reliability Techniques for High-Density

Random-Access Memories (Prentice Hall Modern Semiconductor Design Series) Understanding Semiconductor Devices (The Oxford Series in Electrical and Computer Engineering) Microchip Fabrication, Sixth Edition: A Practical Guide to Semiconductor Processing The Physics of Solar Cells (Properties of Semiconductor Materials) Semiconductor Devices: Physics And Technology, 2Nd Ed Power Integrity for I/O Interfaces: With Signal Integrity/ Power Integrity Co-Design (Prentice Hall Modern Semiconductor Design) Introductory Semiconductor Device Physics Semiconductor Physics And Devices: Basic Principles Semiconductor Spintronics (De Gruyter Textbook) Semiconductor Quantum Optics Semiconductor Fundamentals Volume Modular (Modular series on solid state devices) Fundamentals of Semiconductor Devices Semiconductor Optoelectronic Devices (2nd Edition) Semiconductor Material and Device Characterization Introduction to Semiconductor Physics Volume 1

[Dmca](#)