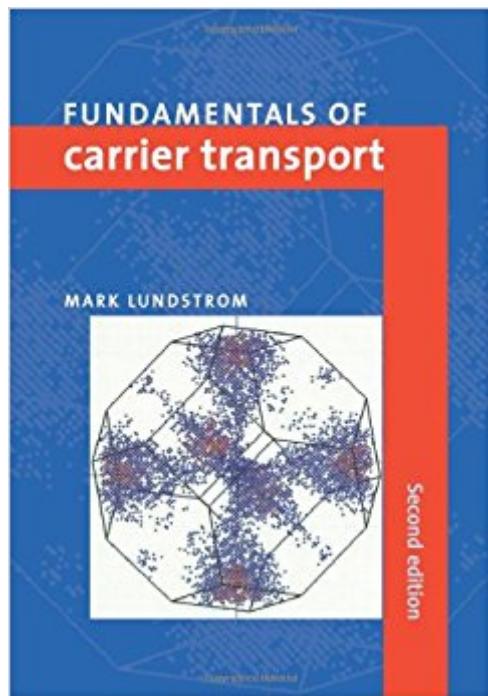


The book was found

Fundamentals Of Carrier Transport



Synopsis

Fundamentals of Carrier Transport explores the behavior of charged carriers in semiconductors and semiconductor devices for readers without an extensive background in quantum mechanics and solid-state physics. This second edition contains many new and updated sections, including a completely new chapter on transport in ultrasmall devices and coverage of "full band" transport. Lundstrom also covers both low- and high-field transport, scattering, transport in devices, and transport in mesoscopic systems. He explains in detail the use of Monte Carlo simulation methods and provides many homework exercises along with a variety of worked examples. What makes this book unique is its broad theoretical treatment of transport for advanced students and researchers engaged in experimental semiconductor device research and development.

Book Information

Paperback: 440 pages

Publisher: Cambridge University Press; 2 edition (July 2, 2009)

Language: English

ISBN-10: 0521637244

ISBN-13: 978-0521637244

Product Dimensions: 6.7 x 0.9 x 9.6 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #841,311 in Books (See Top 100 in Books) #52 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #733 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits #183517 in Books > Textbooks

Customer Reviews

"The book is beautifully produced, the author's style is lucid and easy to read and the arguments and physical insights as clear and helpful as one could wish." *Contemporary Physics*"An extensive treatment of semiconductor transport." Professor J.D. Bird, Arizona State University

Fundamentals of Carrier Transport is an accessible introduction to the behavior of charged carriers in semiconductors and semiconductor devices. It is written specifically for engineers and students without an extensive background in quantum mechanics and solid-state physics. This second edition contains many new and updated sections, including a completely new chapter on transport

in ultrasmall devices. The book will be of great interest to graduate students of electrical engineering and applied physics. It will also be invaluable to practising engineers working on semiconductor device research and development.

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

Fundamentals of Carrier Transport Aivtalk Scale Diecast Cement Mixer Truck Construction Vehicle Transport Car Carrier Truck Toy Model Cars for Boys Advanced Transport Phenomena: Fluid Mechanics and Convective Transport Processes (Cambridge Series in Chemical Engineering) The Transport System and Transport Policy: An Introduction Freight Forwarding and Multi Modal Transport Contracts (Maritime and Transport Law Library) ASTNA Patient Transport: Principles and Practice, 4e (Air & Surface Patient Transport: Principles and Practice) Nurse Neonatal Transport C-NPT: Practice Questions for the Neonatal Transport Nurse Exam ASTNA Patient Transport - E-Book: Principles and Practice (Air & Surface Patient Transport: Principles and Practice) Transport Nursing (CTRN) Review (Certification in Transport Nursing Book 1) Air Carrier Operations Star Carrier: Lost Colonies, Book 3 The Battle for Hell's Island: How a Small Band of Carrier Dive Bombers Helped Save Guadalcanal On Wave and Wing: The 100 Year Quest to Perfect the Aircraft Carrier Music, Carrier of Intention in 49 Jewish Prayers Carrier Pilot: One of the greatest pilotâ€™s memoirs of WWII â€œ a true aviation classic. Carrier Pilot Carrier Pilot: One of the greatest WWII pilot's memoirs Vought F4 Corsair: Carrier and Land-Based Fighter (Profiles of Flight) Ironclaw: A Navy Carrier Pilot's War Experience on the USS Midway The Crisis in Telecommunications Carrier Liability: Historical Regulatory Flaws and Recommended Reform (Topics in Regulatory Economics and Policy)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)