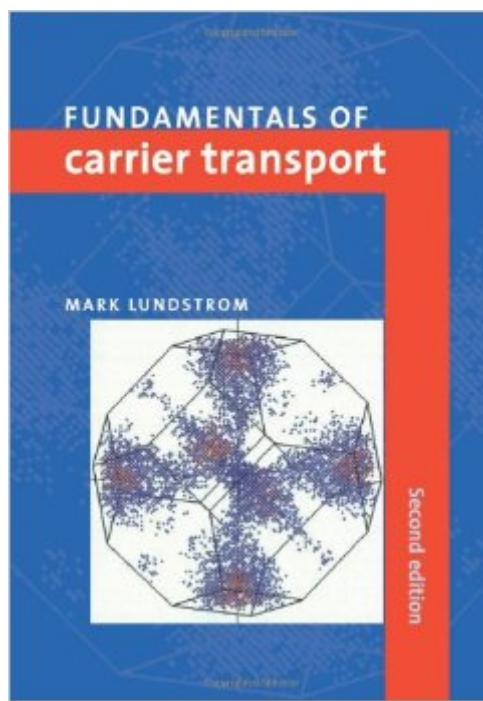


The book was found

# 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: #883,903 in Books (See Top 100 in Books) #60 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #733 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits #174319 in Books > Textbooks

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

Carrier Grade Voice Over IP (McGraw-Hill Networking Professional Carrier Grade Voice Over IP Second Edition) Fundamentals of Carrier 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) Carrier Grade Voice Over IP, Third Edition Carrier Grade Voice Over IP Star Carrier (Lost Colonies Trilogy Book 3) Space Carrier Avalon (Castle Federation Book 1) Introduction to the Numerical Modeling of Groundwater and

Geothermal Systems: Fundamentals of Mass, Energy and Solute Transport in Poroelastic Rocks  
(Multiphysics Modeling) Fundamentals of Nursing: Human Health and Function (Craven,  
Fundamentals of Nursing: Human Health and Functionraven, Fundamentals of Nurs) The  
Collector's Guide to Transport Toys: An International Survey of Tinplate and Diecast Commercial  
Vehicles from 1900 to the Present Day The Collector's All Colour Guide to Transport Toys : An  
International Survey of Tinplate and Diecast Commercial Vehicles from 1900 to the Present Day  
The collector's guide to transport toys: an international survey of tinplate and diecast commercial  
vehicles from 1900 Water-Quality Engineering in Natural Systems: Fate and Transport Processes in  
the Water Environment Fluid Flow in the Subsurface: History, Generalization and Applications of  
Physical Laws (Theory and Applications of Transport in Porous Media) A Handbook of Transport  
Economics (Elgar Original Reference) Tourism and Transport: Modes, Networks and Flows  
(Aspects of Tourism Texts) Quantum Transport: Atom to Transistor

[Dmca](#)