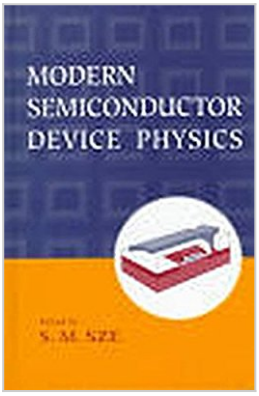

Modern Semiconductor Device Physics

From Wiley-Interscience

Modern Semiconductor Device Physics From Wiley-Interscience

An in-depth, up-to-date presentation of the physics and operational principles of all modern semiconductor devices

The companion volume to Dr. Sze's classic Physics of Semiconductor Devices, Modern Semiconductor Device Physics covers all the significant advances in the field over the past decade. To provide the most authoritative, state-of-the-art information on this rapidly developing technology, Dr. Sze has gathered the contributions of world-renowned experts in each area. Principal topics include bipolar transistors, compound-semiconductor field-effect-transistors, MOSFET and related devices, power devices, quantum-effect and hot-electron devices, active microwave diodes, high-speed photonic devices, and solar cells.

Supported by hundreds of illustrations and references and a problem set at the end of each chapter, Modern Semiconductor Device Physics is the essential text/reference for electrical engineers, physicists, material scientists, and graduate students actively working in microelectronics and related fields.

Modern Semiconductor Device Physics

From Wiley-Interscience

Modern Semiconductor Device Physics From Wiley-Interscience

An in-depth, up-to-date presentation of the physics and operational principles of all modern semiconductor devices

The companion volume to Dr. Sze's classic Physics of Semiconductor Devices, Modern Semiconductor Device Physics covers all the significant advances in the field over the past decade. To provide the most authoritative, state-of-the-art information on this rapidly developing technology, Dr. Sze has gathered the contributions of world-renowned experts in each area. Principal topics include bipolar transistors, compound-semiconductor field-effect-transistors, MOSFET and related devices, power devices, quantum-effect and hot-electron devices, active microwave diodes, high-speed photonic devices, and solar cells.

Supported by hundreds of illustrations and references and a problem set at the end of each chapter, Modern Semiconductor Device Physics is the essential text/reference for electrical engineers, physicists, material scientists, and graduate students actively working in microelectronics and related fields.

Modern Semiconductor Device Physics From Wiley-Interscience Bibliography

- Sales Rank: #2606972 in Books
- Published on: 1997-11-07
- Original language: English
- Number of items: 1
- Dimensions: 9.65" h x 1.30" w x 6.40" l, 2.10 pounds
- Binding: Hardcover
- 576 pages

Editorial Review

From the Publisher
Complementing Dr. Sze's classic Physics of Semiconductor Devices, this book gathers the foremost authorities in the semiconductor field. It offers detailed coverage of the enhanced performances of classical devices and the physical concepts of novel devices conceived since 1981.

From the Back Cover
An in-depth, up-to-date presentation of the physics and operational principles of all modern semiconductor devices

The companion volume to Dr. Sze's classic Physics of Semiconductor Devices, Modern Semiconductor Device Physics covers all the significant advances in the field over the past decade. To provide the most authoritative, state-of-the-art information on this rapidly developing technology, Dr. Sze has gathered the contributions of world-renowned experts in each area. Principal topics include bipolar transistors, compound-semiconductor field-effect-transistors, MOSFET and related devices, power devices, quantum-effect and hot-electron devices, active microwave diodes, high-speed photonic devices, and solar cells.

Supported by hundreds of illustrations and references and a problem set at the end of each chapter, Modern Semiconductor Device Physics is the essential text/reference for electrical engineers, physicists, material scientists, and graduate students actively working in microelectronics and related fields.

About the Author
S. M. SZE, PhD, is UMC Chair Professor in the Electronics Engineering Department at the National Chiao Tung University. His previous books include Semiconductor Devices, Physics of Semiconductor Devices, Second Edition, High-Speed Semiconductor Devices, and Semiconductor Sensors, all available from Wiley.

Users Review

From reader reviews:

Myron Abbott:

Book is actually written, printed, or highlighted for everything. You can know everything you want by a book. Book has a different type. We all know that that book is important matter to bring us around the world. Close to that you can your reading proficiency was fluently. A e-book Modern Semiconductor Device Physics will make you to become smarter. You can feel a lot more confidence if you can know about almost everything. But some of you think which open or reading a book make you bored. It is far from make you fun. Why they can be thought like that? Have you looking for best book or acceptable book with you?

Mary Barrientes:

Reading a book for being new life style in this season; every people loves to go through a book. When you go through a book you can get a large amount of benefit. When you read guides, you can improve your knowledge, due to the fact book has a lot of information into it. The information that you will get depend on what kinds of book that you have read. If you wish to get information about your study, you can read

education books, but if you act like you want to entertain yourself read a fiction books, these us novel, comics, and soon. The Modern Semiconductor Device Physics provide you with new experience in studying a book.

Elliot Weber:

What is your hobby? Have you heard that question when you got students? We believe that that problem was given by teacher on their students. Many kinds of hobby, All people has different hobby. Therefore you know that little person like reading or as looking at become their hobby. You need to know that reading is very important in addition to book as to be the issue. Book is important thing to provide you knowledge, except your teacher or lecturer. You see good news or update about something by book. Different categories of books that can you take to be your object. One of them is Modern Semiconductor Device Physics.

Lois Hernandez:

Some people said that they feel uninterested when they reading a reserve. They are directly felt the item when they get a half portions of the book. You can choose typically the book Modern Semiconductor Device Physics to make your reading is interesting. Your own personal skill of reading expertise is developing when you similar to reading. Try to choose basic book to make you enjoy to study it and mingle the opinion about book and reading especially. It is to be 1st opinion for you to like to open up a book and read it. Beside that the guide Modern Semiconductor Device Physics can to be a newly purchased friend when you're truly feel alone and confuse in what must you're doing of that time.

Read Modern Semiconductor Device Physics From Wiley-Interscience for online ebook

Modern Semiconductor Device Physics From Wiley-Interscience Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Modern Semiconductor Device Physics From Wiley-Interscience books to read online.

Online Modern Semiconductor Device Physics From Wiley-Interscience ebook PDF download

Modern Semiconductor Device Physics From Wiley-Interscience Doc

Modern Semiconductor Device Physics From Wiley-Interscience Mobipocket

Modern Semiconductor Device Physics From Wiley-Interscience EPub