



# Modern Semiconductor Devices for Integrated Circuits

By Chenming C. Hu

[Download now](#)

[Read Online](#) 

## Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu

*Modern Semiconductor Devices for Integrated Circuits, First Edition* introduces readers to the world of modern semiconductor devices with an emphasis on integrated circuit applications. **KEY TOPICS:** Electrons and Holes in Semiconductors; Motion and Recombination of Electrons and Holes; Device Fabrication Technology; PN and Metal–Semiconductor Junctions; MOS Capacitor; MOS Transistor; MOSFETs in ICs—Scaling, Leakage, and Other Topics; Bipolar Transistor. **MARKET:** Written by an experienced teacher, researcher, and expert in industry practices, this succinct and forward-looking text is appropriate for anyone interested in semiconductor devices for integrated circuits, and serves as a suitable reference text for practicing engineers.

 [Download Modern Semiconductor Devices for Integrated Circui ...pdf](#)

 [Read Online Modern Semiconductor Devices for Integrated Circ ...pdf](#)

# Modern Semiconductor Devices for Integrated Circuits

By Chenming C. Hu

## Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu

*Modern Semiconductor Devices for Integrated Circuits, First Edition* introduces readers to the world of modern semiconductor devices with an emphasis on integrated circuit applications. **KEY TOPICS:** Electrons and Holes in Semiconductors; Motion and Recombination of Electrons and Holes; Device Fabrication Technology; PN and Metal–Semiconductor Junctions; MOS Capacitor; MOS Transistor; MOSFETs in ICs—Scaling, Leakage, and Other Topics; Bipolar Transistor. **MARKET:** Written by an experienced teacher, researcher, and expert in industry practices, this succinct and forward-looking text is appropriate for anyone interested in semiconductor devices for integrated circuits, and serves as a suitable reference text for practicing engineers.

## Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu Bibliography

- Sales Rank: #1157353 in Books
- Published on: 2009-04-01
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x .80" w x 7.20" l, 1.50 pounds
- Binding: Hardcover
- 384 pages



[Download Modern Semiconductor Devices for Integrated Circui ...pdf](#)



[Read Online Modern Semiconductor Devices for Integrated Circ ...pdf](#)

---

## Download and Read Free Online Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu

---

### Editorial Review

#### About the Author

**Chenming Calvin Hu** holds the TSMC Distinguished Professor Chair of Microelectronics at University of California, Berkeley. He is a member of the US Academy of Engineering and a foreign member of the Chinese Academy of Sciences. From 2001 to 2004, he was the Chief Technology Officer of TSMC. A Fellow of the Institute of Electrical and Electronic Engineers (IEEE), he has been honored with the Jack Morton Award in 1997 for his research on transistor reliability, the Solid State Circuits Award in 2002 for co-developing the first international standard transistor model for circuit simulation, and the Jun-ichi Nishizawa Medal in 2009 for exceptional contributions to device physics and scaling. He has supervised over 60 Ph.D. student theses, published 800 technical articles, and received more than 100 US patents. His other honors include Sigma Xi Moni Ferst Award, R&D 100 Award, and UC Berkeley's highest award for teaching — the Berkeley Distinguished Teaching Award.

For additional information, visit the author's Web site.

### Users Review

#### From reader reviews:

##### **Sharon Gaines:**

Why don't make it to be your habit? Right now, try to ready your time to do the important behave, like looking for your favorite reserve and reading a book. Beside you can solve your long lasting problem; you can add your knowledge by the e-book entitled Modern Semiconductor Devices for Integrated Circuits. Try to make the book Modern Semiconductor Devices for Integrated Circuits as your close friend. It means that it can to be your friend when you sense alone and beside that of course make you smarter than before. Yeah, it is very fortuned to suit your needs. The book makes you more confidence because you can know anything by the book. So , we need to make new experience and also knowledge with this book.

##### **Amanda Grant:**

The book Modern Semiconductor Devices for Integrated Circuits can give more knowledge and also the precise product information about everything you want. So just why must we leave the good thing like a book Modern Semiconductor Devices for Integrated Circuits? Wide variety you have a different opinion about book. But one aim that will book can give many information for us. It is absolutely right. Right now, try to closer together with your book. Knowledge or info that you take for that, it is possible to give for each other; you can share all of these. Book Modern Semiconductor Devices for Integrated Circuits has simple shape nevertheless, you know: it has great and massive function for you. You can appearance the enormous world by available and read a reserve. So it is very wonderful.

**Debra Heffner:**

This Modern Semiconductor Devices for Integrated Circuits are usually reliable for you who want to become a successful person, why. The main reason of this Modern Semiconductor Devices for Integrated Circuits can be one of several great books you must have is actually giving you more than just simple looking at food but feed an individual with information that maybe will shock your previous knowledge. This book is usually handy, you can bring it everywhere you go and whenever your conditions in e-book and printed people. Beside that this Modern Semiconductor Devices for Integrated Circuits giving you an enormous of experience such as rich vocabulary, giving you demo of critical thinking that we know it useful in your day action. So , let's have it appreciate reading.

**Karl Irwin:**

Reading a guide make you to get more knowledge as a result. You can take knowledge and information from the book. Book is prepared or printed or illustrated from each source this filled update of news. In this modern era like today, many ways to get information are available for anyone. From media social such as newspaper, magazines, science book, encyclopedia, reference book, story and comic. You can add your understanding by that book. Are you hip to spend your spare time to open your book? Or just in search of the Modern Semiconductor Devices for Integrated Circuits when you essential it?

**Download and Read Online Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu #GN3R7FC648U**

# **Read Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu for online ebook**

Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu 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 Devices for Integrated Circuits By Chenming C. Hu books to read online.

## **Online Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu ebook PDF download**

**Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu Doc**

**Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu MobiPocket**

**Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu EPub**

**GN3R7FC648U: Modern Semiconductor Devices for Integrated Circuits By Chenming C. Hu**