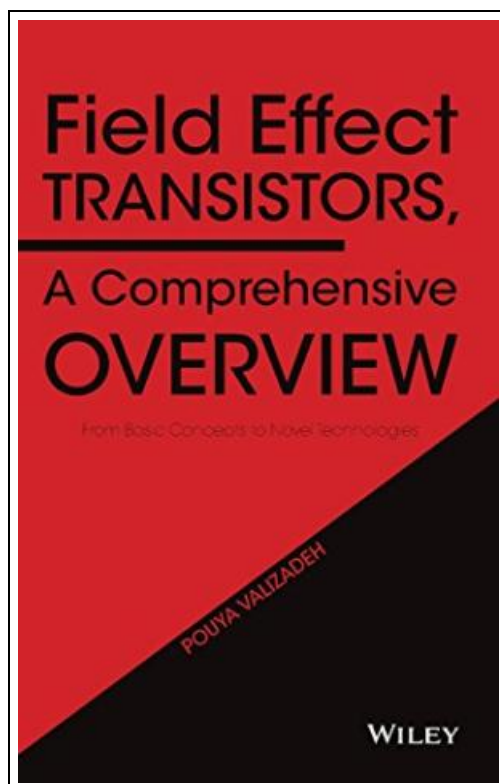


## Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies (Hardback)



Filesize: 8.11 MB

### ***Reviews***

*It is really an remarkable book which i have ever go through. It can be writter in simple terms and not difficult to understand. I am just effortlessly can get a enjoyment of reading a composed pdf.*

*(Dr. Lily Wunsch II)*

## FIELD EFFECT TRANSISTORS, A COMPREHENSIVE OVERVIEW: FROM BASIC CONCEPTS TO NOVEL TECHNOLOGIES (HARDBACK)

DOWNLOAD



To download **Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies (Hardback)** PDF, make sure you refer to the link listed below and download the file or have accessibility to other information that are relevant to FIELD EFFECT TRANSISTORS, A COMPREHENSIVE OVERVIEW: FROM BASIC CONCEPTS TO NOVEL TECHNOLOGIES (HARDBACK) ebook.

John Wiley and Sons Ltd, United States, 2016. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. This book discusses modern-day Metal Oxide Semiconductor Field Effect Transistors (MOSFETs) and future trends of transistor devices. This book provides an overview of Field Effect Transistors (FETs) by discussing the basic principles of FETs and exploring the latest technological developments in the field. It covers and connects a wide spectrum of topics related to semiconductor device physics, physics of transistors, and advanced transistor concepts. This book contains six chapters. Chapter 1 discusses electronic materials and charge. Chapter 2 examines junctions, discusses contacts under thermal-equilibrium, metal-semiconductor contacts, and metal-insulator-semiconductor systems. Chapter 3 covers traditional planar Metal Oxide Semiconductor Field Effect Transistors (MOSFETs). Chapter 4 describes scaling-driving technological variations and novel dimensions of MOSFETs. Chapter 5 analyzes Heterojunction Field Effect Transistors (FETs) and also discusses the challenges and rewards of heteroepitaxy. Finally, Chapter 6 examines FETs at molecular scales.\* Links the discussion of contemporary transistor devices to physical processes \* Material has been class-tested in undergraduate and graduate courses on the design of integrated circuit components taught by the author \* Contains examples and end-of-chapter problems Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies is a reference for senior undergraduate / graduate students and professional engineers needing insight into physics of operation of modern FETs. Pouya Valizadeh is Associate Professor in the Department of Electrical and Computer Engineering at Concordia University in Quebec, Canada. He received B.S. and M.S. degrees with honors from the University of Tehran and Ph.D. degree from The University of Michigan (Ann Arbor) all in Electrical Engineering in 1997, 1999, and 2005, respectively. Over the past decade, Dr. Valizadeh has taught numerous sections of five different courses covering topics such as semiconductor process technology, semiconductor materials...



[Read Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies \(Hardback\) Online](#)



[Download PDF Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies \(Hardback\)](#)



[Download ePub Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies \(Hardback\)](#)

## See Also



**[PDF] Genuine new book Essentials of Leadership: Principles and Practice (4th Edition) (U.S.) Shiliboge. (U.S.(Chinese Edition)**

Follow the hyperlink below to get "Genuine new book Essentials of Leadership: Principles and Practice (4th Edition) (U.S.) Shiliboge. (U.S.(Chinese Edition))" PDF file.

[Read Book](#)

»



**[PDF] Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)**

Follow the hyperlink below to get "Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)" PDF file.

[Read Book](#)

»



**[PDF] Ventures: Ventures Level 1 Teacher's Edition with Assessment Audio CD/CD-ROM (Mixed media product)**

Follow the hyperlink below to get "Ventures: Ventures Level 1 Teacher's Edition with Assessment Audio CD/CD-ROM (Mixed media product)" PDF file.

[Read Book](#)

»



**[PDF] To Do List: Daily Task Book, To Do List And Notes, Simple To Do List, To Do Notepad, Agenda Notepad For Men, Women, Students & Kids, Cute Wedding Cover (Paperback)**

Follow the hyperlink below to get "To Do List: Daily Task Book, To Do List And Notes, Simple To Do List, To Do Notepad, Agenda Notepad For Men, Women, Students & Kids, Cute Wedding Cover (Paperback)" PDF file.

[Read Book](#)

»



**[PDF] To Do List: Daily Task Book, To Do List And Notes, Simple To Do List, To Do Notepad, Agenda Notepad For Men, Women, Students & Kids, Cute BBQ Cover (Paperback)**

Follow the hyperlink below to get "To Do List: Daily Task Book, To Do List And Notes, Simple To Do List, To Do Notepad, Agenda Notepad For Men, Women, Students & Kids, Cute BBQ Cover (Paperback)" PDF file.

[Read Book](#)

»



**[PDF] An Undergraduate Introduction to Financial Mathematics (3rd edition)**

Follow the hyperlink below to get "An Undergraduate Introduction to Financial Mathematics (3rd edition)" PDF file.

[Read Book](#)

»



**[PDF] Scientific and Applied Pharmacognosy, Intended for the Use of Students in Pharmacy, as a Hand Book for Pharmacists, and as a Reference Book for Food and Drug Analysts and Pharmacologists (Hardback)**

Access the hyperlink listed below to read "Scientific and Applied Pharmacognosy, Intended for the Use of Students in Pharmacy, as a Hand Book for Pharmacists, and as a Reference Book for Food and Drug Analysts and Pharmacologists (Hardback)" file.

[Save](#) [Book](#)

»



**[PDF] Echoes of Scripture in the Gospels (Hardback)**

Access the hyperlink listed below to read "Echoes of Scripture in the Gospels (Hardback)" file.

[Save](#) [Book](#)

»



**[PDF] Get into UK Medical School For Dummies (Paperback)**

Access the hyperlink listed below to read "Get into UK Medical School For Dummies (Paperback)" file.

[Save](#) [Book](#)

»



**[PDF] To Do List: Daily Task Notebook, To Do List Journal For Men, The Best To Do List, To Do Sheets, Agenda Notepad For Men, Women, Students & Kids, Cute Farm Animals Cover (Paperback)**

Access the hyperlink listed below to read "To Do List: Daily Task Notebook, To Do List Journal For Men, The Best To Do List, To Do Sheets, Agenda Notepad For Men, Women, Students & Kids, Cute Farm Animals Cover (Paperback)" file.

[Save](#) [Book](#)

»



**[PDF] Introduction to Mathematical Finance: Discrete Time Models (Hardback)**

Access the hyperlink listed below to read "Introduction to Mathematical Finance: Discrete Time Models (Hardback)" file.

[Save](#) [Book](#)

»



**[PDF] Bayesian Biostatistics (Hardback)**

Access the hyperlink listed below to read "Bayesian Biostatistics (Hardback)" file.

[Save](#) [Book](#)

»