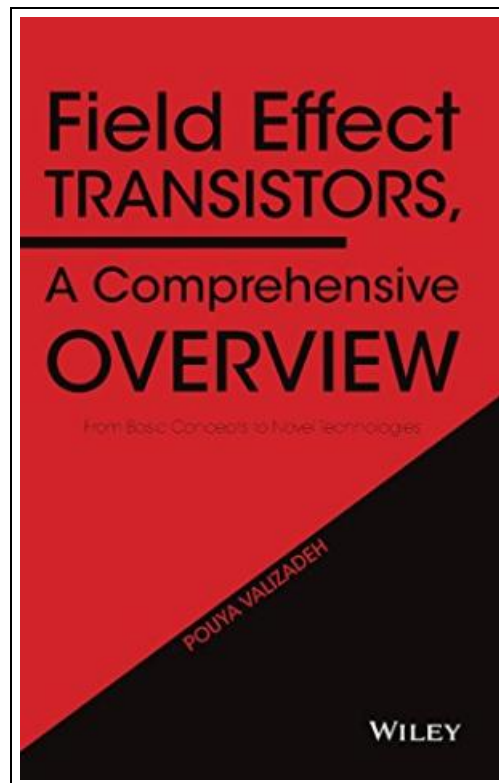


Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies (Hardback)



Filesize: 7.07 MB

Reviews

Definitely one of the best ebook I have possibly study. I have read and that i am confident that i will planning to read through once again once more in the foreseeable future. You can expect to like how the article writer write this publication.

(Mrs. Jacquelyn Bechtelar)

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



To save **Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies (Hardback)** PDF, please refer to the button under and save the document or have accessibility to additional information which are related to FIELD EFFECT TRANSISTORS, A COMPREHENSIVE OVERVIEW: FROM BASIC CONCEPTS TO NOVEL TECHNOLOGIES (HARDBACK) book.

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 \(Hardback\)](#)

Relevant Books



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

Access the link beneath to get "Genuine new book Essentials of Leadership: Principles and Practice (4th Edition) (U.S.) Shiliboge. (U.S. (Chinese Edition))" file.

[Read](#) [Document](#)

»



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

Access the link beneath to get "Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)" file.

[Read](#) [Document](#)

»



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

Access the link beneath to get "Ventures: Ventures Level 1 Teacher's Edition with Assessment Audio CD/CD-ROM (Mixed media product)" file.

[Read](#) [Document](#)

»



[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)

Access the link beneath 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)" file.

[Read](#) [Document](#)

»



[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)

Access the link beneath 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)" file.

[Read](#) [Document](#)

»



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

Access the link beneath to get "An Undergraduate Introduction to Financial Mathematics (3rd edition)" file.

[Read](#) [Document](#)

»

**[PDF] Muse of Nightmares: the magical sequel to Strange the Dreamer (Hardback)**

Follow the link under to read "Muse of Nightmares: the magical sequel to Strange the Dreamer (Hardback)" file.

[Read](#) [ePub](#)

»

**[PDF] To Do List Notebook: Daily Task List, To Do List Checklist, Task List Organizer, To Do Organizer, Agenda Notepad For Men, Women, Students & Kids, Grey Cover (Paperback)**

Follow the link under to read "To Do List Notebook: Daily Task List, To Do List Checklist, Task List Organizer, To Do Organizer, Agenda Notepad For Men, Women, Students & Kids, Grey Cover (Paperback)" file.

[Read](#) [ePub](#)

»

**[PDF] To Do List: Daily Task Log, To Do List For Kids, Task List Template, To Do Planner, Agenda Notepad For Men, Women, Students & Kids, Cute Rome Cover (Paperback)**

Follow the link under to read "To Do List: Daily Task Log, To Do List For Kids, Task List Template, To Do Planner, Agenda Notepad For Men, Women, Students & Kids, Cute Rome Cover (Paperback)" file.

[Read](#) [ePub](#)

»

**[PDF] To Do List: Daily Task List Pad, To Do List Daily, Task List Planner, To Do Pad, Agenda Notepad For Men, Women, Students & Kids, Cute Farm Animals Cover (Paperback)**

Follow the link under to read "To Do List: Daily Task List Pad, To Do List Daily, Task List Planner, To Do Pad, Agenda Notepad For Men, Women, Students & Kids, Cute Farm Animals Cover (Paperback)" file.

[Read](#) [ePub](#)

»

**[PDF] Nightmares! (Hardback)**

Follow the link under to read "Nightmares! (Hardback)" file.

[Read](#) [ePub](#)

»

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

Follow the link under to read "Bayesian Biostatistics (Hardback)" file.

[Read](#) [ePub](#)

»