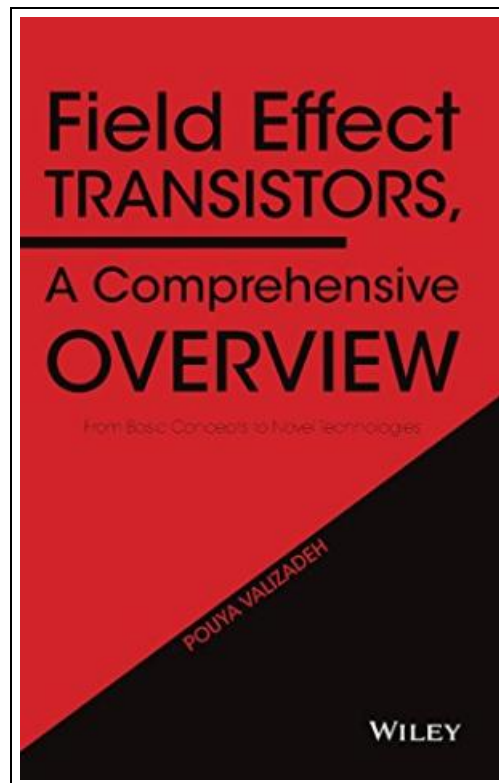


Field Effect Transistors, A Comprehensive Overview: From Basic Concepts to Novel Technologies (Hardback)



Filesize: 5 MB

Reviews

Unquestionably, this is the best operate by any author. It is among the most amazing pdf i actually have read. Its been designed in an remarkably basic way which is just right after i finished reading this pdf by which basically altered me, change the way i believe.

(Harold Spencer)

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



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 \(Hardback\)](#)

Related PDFs



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

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-05-01 Pages: 280 Publisher: Welcome to Our Publishing House of Electronics Industry....

[Save](#) [Document](#)

»



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

John Wiley & Sons Inc, United States, 2013. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. A through guide covering Modern Portfolio Theory as well as the recent developments surrounding it Modern portfolio...

[Save](#) [Document](#)

»



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

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2013. Mixed media product. Condition: New. 2nd Revised edition. Language: English. Brand new Book. Ventures 2nd Edition is a six-level, standards-based ESL series for adult-education ESL. The Ventures 2nd Edition...

[Save](#) [Document](#)

»



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)

Createspace Independent Publishing Platform, United States, 2018. Paperback. Condition: New. Language: English. Brand new Book. Love the feeling of accomplishment when a task is ticked off your to do list? Then this journal is for...

[Save](#) [Document](#)

»



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)

Amazon Digital Services LLC - Kdp Print Us, United States, 2018. Paperback. Condition: New. Language: English. Brand new Book. Love the feeling of accomplishment when a task is ticked off your to do list? Then...

[Save](#) [Document](#)

»

**Adolescent Worlds: Drug Use and Athletic Activity (Hardback)**

ABC-CLIO, United States, 1990. Hardback. Condition: New. Language: English. Brand new Book. In an important new contribution to the sociological literature, M.F. Stuck explores both the place of sport in adolescent society and, more specifically,

[Download 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 Rome Cover (Paperback)**

Amazon Digital Services LLC - Kdp Print Us, United States, 2018. Paperback. Condition: New. Language: English. Brand new Book. Love the feeling of accomplishment when a task is ticked off your to do list? Then

[Download PDF](#)

»

**Echoes of Scripture in the Gospels (Hardback)**

Baylor University Press, United States, 2018. Hardback. Condition: New. Language: English. Brand new Book. The claim that the events of Jesus' life, death, and resurrection took place "according to the Scriptures" stands at the heart

[Download PDF](#)

»

**Mastering Machine Learning for Penetration Testing: Develop an extensive skill set to break self-learning systems using Python (Paperback)**

Packt Publishing Limited, United Kingdom, 2018. Paperback. Condition: New. Language: English. Brand new Book. Become a master at penetration testing using machine learning with PythonKey Features Identify ambiguities and breach intelligent security systems Perform unique

[Download PDF](#)

»

**Get into UK Medical School For Dummies (Paperback)**

John Wiley & Sons Inc, United States, 2012. Paperback. Condition: New. 1. Auflage. Language: English. Brand new Book. Get the book and get into medical school. Sound simple? Well, it isn't. But Get into UK

[Download PDF](#)

»