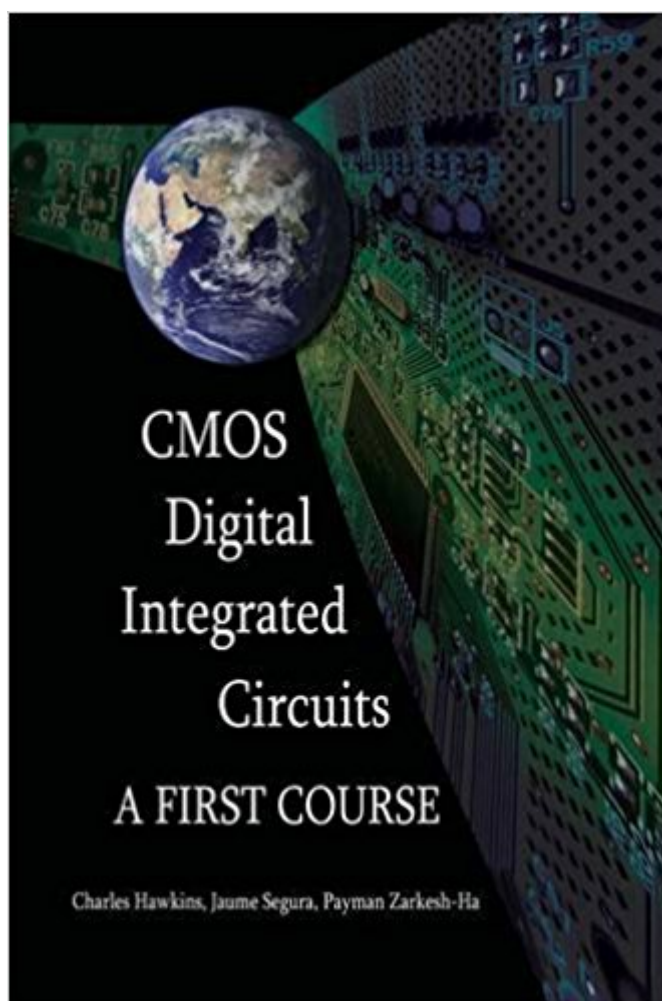


The book was found

CMOS Digital Integrated Circuits: A First Course (Materials, Circuits And Devices)



Synopsis

CMOS Digital Integrated Circuits: A First Course teaches the fundamentals of modern CMOS technology by focusing on central themes and avoiding overwhelming details. Extensive examples, self-exercises, and end-of-chapter problems assist in teaching the current practices of industry and subjects taught by graduate courses in microelectronics. Computer engineering curriculums can remove the analog electronics prerequisite altogether when adopting this book. This book is also unique in that it presents timing, the most difficult of the computer designer's tasks, and an issue that is avoided by all other textbooks. The remaining chapters describe memory, metal thermal and capacitive properties, FPGAs, layout, and then concludes with a chapter on how circuits are made in a chip factory. Supplementary materials for professors are available upon request via email to books@theiet.org.

Book Information

Series: Materials, Circuits and Devices

Hardcover: 400 pages

Publisher: SciTech Publishing (December 21, 2012)

Language: English

ISBN-10: 1613530021

ISBN-13: 978-1613530023

Product Dimensions: 7.6 x 1 x 9.4 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #345,834 in Books (See Top 100 in Books) #45 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #2165 in Books > Computers & Technology > Computer Science #5347 in Books > Textbooks > Computer Science

Customer Reviews

Charles F. HawkinsPayman Zarkesh-Ha

[Download to continue reading...](#)

CMOS Digital Integrated Circuits: A First Course (Materials, Circuits and Devices) CMOS Digital Integrated Circuits Analysis & Design Integrated circuit devices and components (Integrated-circuit technology, analog and logic circuit design, memory and display devices) CMOS and Beyond: Logic Switches for Terascale Integrated Circuits Design of Analog CMOS Integrated Circuits (Irwin

Electronics & Computer Engineering) Design of Analog CMOS Integrated Circuits CMOS VLSI Design: A Circuits and Systems Perspective (4th Edition) Logical Effort: Designing Fast CMOS Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) CMOS VLSI Design: A Circuits and Systems Perspective CMOS VLSI Design: A Circuits and Systems Perspective (3rd Edition) Nanoscale CMOS VLSI Circuits: Design for Manufacturability Design Techniques for Integrated CMOS Class-D Audio Amplifiers (Advanced Series in Electrical and Computer Engineering) Sensors, Actuators, and Their Interfaces: A Multidisciplinary Introduction (Materials, Circuits and Devices) Introduction to Biomechatronics (Materials, Circuits and Devices) Digital Integrated Circuits: Analysis and Design, Second Edition Digital Integrated Circuits (2nd Edition) Going Live: Launching Your Digital Business (Digital Entrepreneurship in the Age of Apps, the Web, and Mobile Devices) Handbook of Organic Materials for Optical and (Opto)Electronic Devices: Properties and Applications (Woodhead Publishing Series in Electronic and Optical Materials) CMOS Logic Circuit Design: 1st (First) Edition Prostheses: Design, Types, and Complications (Biomedical Devices and Their Applications; Medical Devices and Equipment)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)