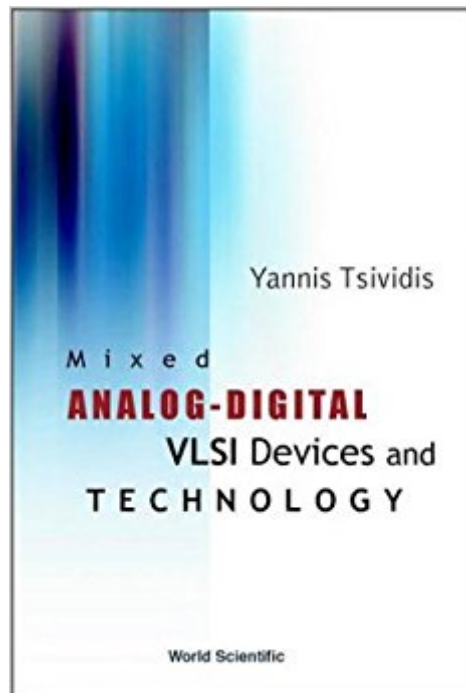


The book was found

Mixed Analog-Digital Vlsi Device And Technology



Synopsis

Improve your circuit-design potential with this expert guide to the devices and technology used in mixed analog digital VLSI chips for such high-volume applications as hard-disk drives, wireless telephones, and consumer electronics. The book provides you with a critical understanding of device models, fabrication technology, and layout as they apply to mixed analog digital circuits. You will learn about the many device-modeling requirements for analog work, as well as the pitfalls in models used today for computer simulators such as Spice. Also included is information on fabrication technologies developed specifically for mixed-signal VLSI chips, plus guidance on the layout of mixed analog digital chips for a high degree of analog-device matching and minimum digital-to-analog interference. This reference book features an intuitive introduction to MOSFET operation that will enable you to view with insight any MOSFET model besides thorough discussions on valuable large-signal and small-signal models. Filled with practical information, this first-of-its-kind book will help you grasp the nuances of mixed-signal VLSI-device models and layout that are crucial to the design of high-performance chips.

Book Information

Hardcover: 284 pages

Publisher: World Scientific Publishing Company (August 19, 2002)

Language: English

ISBN-10: 9812381112

ISBN-13: 978-9812381118

Product Dimensions: 6.5 x 0.8 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #2,814,382 in Books (See Top 100 in Books) #103 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > VLSI & ULSI #434 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic #816 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design

Customer Reviews

Yannis Tsividis is Charles Batchelor Professor at Columbia University. He has worked at AT&T Bell Laboratories and Motorola Semiconductor, and has consulted on mixed analog-digital chips for a variety of companies. He is the author of Operation and Modeling of the MOS Transistor, published

with McGraw-Hill (2nd edition, 1999).

The book can be used as a quick review of CMOS VLSI in order to step forward in analog design as well as for novice that want to have a very good introduction. It helped me quit a lot. Simple language (as simple as it can be in VLSI) and "user-friendly" writing.

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

Mixed Analog-Digital Vlsi Device and Technology Essentials of Electronic Testing for Digital, Memory and Mixed-Signal VLSI Circuits (Frontiers in Electronic Testing) Analog Circuit Design, Volume 2: Immersion in the Black Art of Analog Design How to Add a Device to Account: How to add a device to my account - 3 easy steps in few minutes Vlsi Analog Signal Processing Circuits VLSI DESIGN SIMPLE AND LUCID EXPLANATION: vlsi design for students Circuits, Interconnections, and Packaging for Vlsi (Addison-Wesley VLSI systems series) Selected Topics in RF, Analog and Mixed Signal Circuits and Systems (Tutorials in Circuits and Systems) Analog-Mixed Signal Verification Modern Digital and Analog Communication Systems (The Oxford Series in Electrical and Computer Engineering) Foundations of Analog and Digital Electronic Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) Elijah: An Oratorio for Full Chorus of Mixed Voices, Soprano, Alto, Tenor, and Baritone Soli (Double Solo Quartet of Mixed Voices) and Piano (G. Schirmer's Editions of Oratorios and Cantatas) The New Analog: Listening and Reconnecting in a Digital World Telling Time: How to Tell Time on Digital and Analog Clocks The Craft of Controlling Sound: A Walk in the Acoustic, Analog, and Digital Worlds Foundations Of Analog and Digital Electronic Circuits The Boundary-Scan Handbook: Analog and Digital Integrated circuit devices and components (Integrated-circuit technology, analog and logic circuit design, memory and display devices) Digital & Analog Communication Systems (8th Edition) 101 Mixed Media Techniques: Master the fundamental concepts of mixed media art

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)