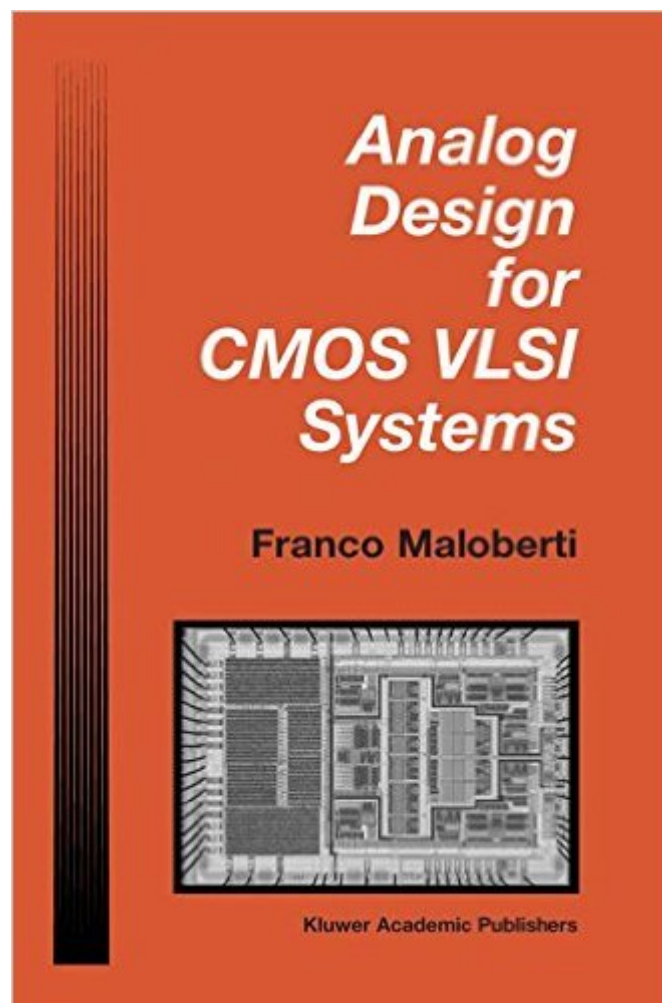


The book was found

Analog Design For CMOS VLSI Systems (The Springer International Series In Engineering And Computer Science)



Synopsis

- Applicable for bookstore catalogue

Book Information

Series: The Springer International Series in Engineering and Computer Science (Book 646)

Hardcover: 374 pages

Publisher: Springer; 2001 edition (October 31, 2001)

Language: English

ISBN-10: 3540301461

ISBN-13: 978-3540301462

ASIN: 0792375505

Product Dimensions: 6.1 x 0.9 x 9.2 inches

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

Average Customer Review: 4.5 out of 5 starsÂ Â See all reviewsÂ (4 customer reviews)

Best Sellers Rank: #478,773 in Books (See Top 100 in Books) #19 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > VLSI & ULSI #75 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors #82 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic

Customer Reviews

I happened across this book at the local engineering library while looking for books to brush up on CMOS design. This was my favorite of several books I checked out. Professor Maloberti has taught a CMOS class in Italy for many years, and this is essentially the text of his course. The explanation in the book bears the marks of someone who has explained the topic many times and revised his explanation so that only the important parts remain and are presented in logical sequence. It is not an encyclopedia of CMOS layout and circuits, like Baker's two books. It covers fewer topics but goes into more depth on each one. The level is that of a first semester graduate course in CMOS, not for absolute beginners, but anyone with undergrad courses in electronics (like Sedra and Smith) ought to be able to follow Maloberti without a problem. The explanations are both quantitative and qualitative. He develops equations but also explains circuit behavior from an intuitive point of view. Even circuit topologies that are not obvious at first glance, like the folded cascode, become clear after Maloberti takes you through the predecessor circuits. He has quite a few examples conducted in Spice throughout the text. I find the examples are quite helpful both in gaining insight into how to

simulate CMOS circuits, and in getting calibrated on realistic circuit behavior. Although it is not a book on layout, he does give quite a few examples of representative layouts for different circuit elements and topologies. The only reason I don't give it five stars is that English is obviously a second language for the author. Sometimes the English gets in the way of the exposition. However, if you stop and think for a minute, the context almost always makes clear what he is saying.

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

Analog Design for CMOS VLSI Systems (The Springer International Series in Engineering and Computer Science) Face Image Analysis by Unsupervised Learning (The Kluwer International Series in Engineering and Computer Science, Volume 612) (The Springer International Series in Engineering and Computer Science) Analog Design Essentials (The Springer International Series in Engineering and Computer Science) CMOS Analog Circuit Design (The Oxford Series in Electrical and Computer Engineering) CMOS Nanoelectronics: Analog and RF VLSI Circuits Analog Filters in Nanometer CMOS: 45 (Springer Series in Advanced Microelectronics) CMOS VLSI Design: A Circuits and Systems Perspective (3rd Edition) CMOS VLSI Design: A Circuits and Systems Perspective VLSI Design Techniques for Analog and Digital Circuits (McGraw-Hill Series in Electrical Engineering) Low Power Design Methodologies (The Springer International Series in Engineering and Computer Science) HACKING: Beginner's Crash Course - Essential Guide to Practical: Computer Hacking, Hacking for Beginners, & Penetration Testing (Computer Systems, Computer Programming, Computer Science Book 1) Web Caching and Its Applications (The Springer International Series in Engineering and Computer Science) Applications of Digital Signal Processing to Audio and Acoustics (The Springer International Series in Engineering and Computer Science) Radiowave Propagation and Smart Antennas for Wireless Communications (The Springer International Series in Engineering and Computer Science) Chip Design for Submicron VLSI: CMOS Layout and Simulation Face Image Analysis by Unsupervised Learning (The Springer International Series in Engineering and Computer Science) Optical Character Recognition: An Illustrated Guide to the Frontier (The Springer International Series in Engineering and Computer Science) Design of Analog CMOS Integrated Circuits CMOS Analog Circuit Design Circuits, Interconnections, and Packaging for Vlsi (Addison-Wesley VLSI systems series)

[Dmca](#)