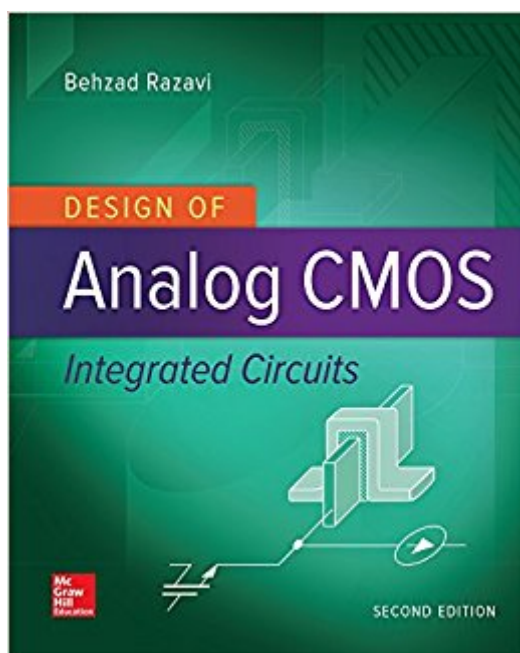


The book was found

# Design Of Analog CMOS Integrated Circuits (Irwin Electronics & Computer Engineering)



## Synopsis

Design of Analog CMOS Integrated Circuits by Behzad Razavi, deals with the analysis and design of analog CMOS integrated circuits, emphasizing fundamentals, as well as new paradigms that students and practicing engineers need to master in today's industry. Because analog design requires both intuition and rigor, each concept is first introduced from an intuitive perspective and subsequently treated by careful analysis. The objective is to develop both a solid foundation and methods of analyzing circuits by inspection so that the reader learns what approximations can be made in which circuits, and how much error to expect in each approximation. This approach also enables the reader to apply the concepts to bipolar circuits with little additional effort.

## Book Information

Series: Irwin Electronics & Computer Engineering

Hardcover: 800 pages

Publisher: McGraw-Hill Education; 2 edition (January 20, 2016)

Language: English

ISBN-10: 0072524936

ISBN-13: 978-0072524932

Product Dimensions: 8.4 x 1.3 x 10.3 inches

Shipping Weight: 3.7 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 58 customer reviews

Best Sellers Rank: #58,456 in Books (See Top 100 in Books) #10 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #15 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design #18042 in Books > Textbooks

## Customer Reviews

Behzad Razavi received the BSEE Degree from Sharif University of Technology in 1985 and the MSEE and PhDEE Degrees from Stanford University in 1988 and 1992, respectively. He was with AT&T Bell Laboratories and Hewlett-Packard Laboratories until 1996. Since 1996, he has been Associate Professor and subsequently Professor of Electrical Engineering at University of California, Los Angeles. His current research includes wireless transceivers, frequency synthesizers, phase-locking and clock recovery for high-speed data communications. and data converters.

I've used "Design of Analog CMOS Integrated Circuits, 1st Ed." as the textbook for my classes since

it was released. In my opinion it is the most intuitive and easy to understand of available references. Some few but important improvements were included into this second edition, mainly the form of appendices and "nanometer design notes", which has an entire chapter (11) dedicated to it.

One of the best books available to learn Analog Design fundamentals.

the book is pretty detailed and indeed its like a design standard to have this book as reference. I wouldnt recommend it for people with no experience with Analog CMOS design. Razavi's explanation sometimes assume you have idea where some expressions come from, the examples are mostly well explained and nothing than just a mere review of the basics can help you decode the book. I consider this book as one of those books that the longer you get experience on circuit design, the longer you value Razavi's insight.

I liked the app a lot. I did not like that I can not write with my apple pen on the pages. For technical books, I need to derive equations or write some quick math/comments. With apple pen it is more easy to do that.

This is the most intuitive book on cmos and analog design. The author is able to clearly explain the operation of a diode in a few sentences. For quick and intuitive understanding of simple to complex analog circuits, this is the book. However, I find this book lacking in some of the in-depth analysis (which might actually be why this book is so clear -- the author only shows the necessary details and results for clarity) for some circuits -- I often myself going over to other texts such as GHLM, which together with this text pretty much covers all of analog design. This is a must-have for any serious analog designer.

Simply, "the" CMOS analog design book. Any analog designer must read it throughly. It progresses through the subject in a natural and logical way. The depth of the covered subjects is great and serves well as a good start for students/designers approaching the subject for the first time. A good background about MOS devices is essential before reading the book.

Difficult SideRead Sedra/Smith book before trying this one. It is really hard to follow. It's hard to differentiate between small and large signal analysis, since author uses the same notation for both. Watch out! Good Side: Book is on CMOS analog ICs, so it's specific. Book is very thorough. Behzad

Razavi explains the function of each resistor in a circuit. Book teaches on a high level. Author put in much effort.

Good

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

Design of Analog CMOS Integrated Circuits (Irwin Electronics & Computer Engineering) Design of Analog CMOS Integrated Circuits Microelectronic Circuit Design, 5th Edition (Irwin Electronics & Computer Engineering) Engineering Electromagnetics (Irwin Electronics & Computer Engineering) Electric Machinery Fundamentals (Irwin Electronics & Computer Engineering) CMOS Digital Integrated Circuits: A First Course (Materials, Circuits and Devices) CMOS Analog Circuit Design (The Oxford Series in Electrical and Computer Engineering) CMOS Digital Integrated Circuits Analysis & Design Logical Effort: Designing Fast CMOS Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) Analysis and Design of Analog Integrated Circuits, 5th Edition Design with Operational Amplifiers and Analog Integrated Circuits Foundations of Analog and Digital Electronic Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) Design Techniques for Integrated CMOS Class-D Audio Amplifiers (Advanced Series in Electrical and Computer Engineering) Analog Circuit Design, Volume 2: Immersion in the Black Art of Analog Design Selected Topics in RF, Analog and Mixed Signal Circuits and Systems (Tutorials in Circuits and Systems) CMOS and Beyond: Logic Switches for Terascale Integrated Circuits Integrated circuit devices and components (Integrated-circuit technology, analog and logic circuit design, memory and display devices) CMOS VLSI Design: A Circuits and Systems Perspective (4th Edition) CMOS VLSI Design: A Circuits and Systems Perspective CMOS VLSI Design: A Circuits and Systems Perspective (3rd Edition)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)