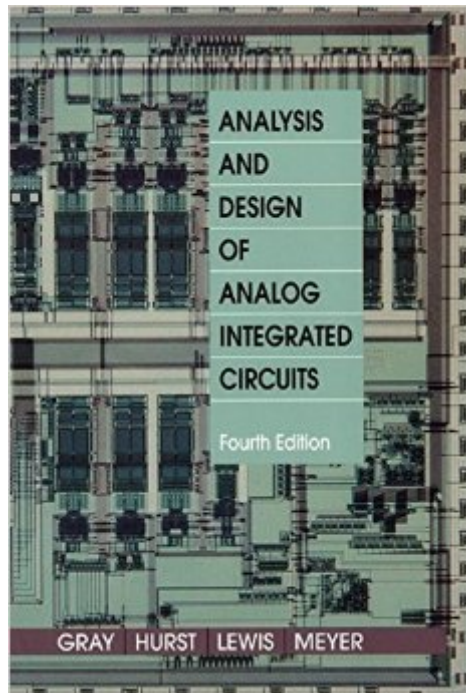


The book was found

Analysis And Design Of Analog Integrated Circuits (4th Edition)



Synopsis

The fourth edition features coverage of cutting edge topics--more advanced CMOS device electronics to include short-channel effects, weak inversion and impact ionization. In this resourceful book find:

- * Coverage of state-of-the-art IC processes shows how modern integrated circuits are fabricated, including recent issues like heterojunction bipolar transistors, copper interconnect and low permittivity dielectric materials
- * Comprehensive and unified treatment of bipolar and CMOS circuits helps readers design real-world amplifiers in silicon.

Book Information

Hardcover: 875 pages

Publisher: Wiley; 4 edition (February 15, 2001)

Language: English

ISBN-10: 0471321680

ISBN-13: 978-0471321682

Product Dimensions: 7.3 x 1.6 x 10 inches

Shipping Weight: 3.4 pounds

Average Customer Review: 4.6 out of 5 stars [See all reviews](#) (37 customer reviews)

Best Sellers Rank: #190,899 in Books (See Top 100 in Books) #28 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated](#) #54 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design](#) #89 in [Books > Computers & Technology > Computer Science > Systems Analysis & Design](#)

Customer Reviews

Required reading, I would think, for anyone in the business, or studying to get into the business, of design & development of analog IC's. If you haven't already been introduced to this book, better make it a part of your library. You'll find good stuff on: Large & small signal BJ & MOS transistor models, An informative chap. on IC technology & construction, Good chap. on current mirrors & active loads, Several chaps. on amps. including a detailed analysis of 741, Good info. on frequency response & analysis of IC opamps., Chaps. on feedback & stability of IC opamps, A lot of attention to MOS technology throughout, Loads of transistor equations & useful approximations. Also there's other material which should interest anyone in analog circuit design, including discrete design. There's even an interesting chap. on circuit noise, which for me had been a subject with about as much sex appeal as Thermodynamics. Be forewarned, this isn't for the novice circuit designer. It's a rather rough trudge to make your way through the book. But as far as I'm capable of critically

reviewing, this is a very well written book with very few errors (4th edition). There're a few quirks here & there. For example they introduce their own symbols for MOS transistors (as if we don't have enough), over play SPICE as "an integral part of many examples", & make stability analysis with Bode plots (Bode not credited) more complicated than need be. However, these are trivial when compared to the overall work. I would therefore give the authors a resounding 5 stars. However, I can't do so for the version of the book which I received. I bought the book for self-study purposes. I was very disappointed to find 20 to 40 problems @ the end of each chap.

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

Analysis and Design of Analog Integrated Circuits (4th Edition) Analysis and Design of Analog Integrated Circuits, 5th Edition Design With Operational Amplifiers And Analog Integrated Circuits (McGraw-Hill Series in Electrical and Computer Engineering) Design with Operational Amplifiers and Analog Integrated Circuits Design of Analog CMOS Integrated Circuits Design of 3D Integrated Circuits and Systems (Devices, Circuits, and Systems) Advances in 3D Integrated Circuits and Systems (Series on Emerging Technologies in Circuits and Systems) Low-Voltage/Low-Power Integrated Circuits and Systems: Low-Voltage Mixed-Signal Circuits (IEEE Press Series on Microelectronic Systems) Analysis and Design of Digital Integrated Circuits CMOS Digital Integrated Circuits Analysis & Design Foundations of Analog and Digital Electronic Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) VLSI Design Techniques for Analog and Digital Circuits (McGraw-Hill Series in Electrical Engineering) High-Frequency Analog Integrated Circuit Design (Wiley Series in Microwave and Optical Engineering) Analog Integrated Circuit Design Principles of Transistor Circuits, Eighth Edition: Introduction and guide to the design of amplifiers, function generators, receivers and digital circuits The Design of CMOS Radio-Frequency Integrated Circuits, Second Edition Variation-Aware Design of Custom Integrated Circuits: A Hands-on Field Guide Design of Integrated Circuits for Optical Communications Digital Integrated Circuits: A Design Perspective Dynamic Offset Compensated CMOS Amplifiers (Analog Circuits and Signal Processing)

[Dmca](#)