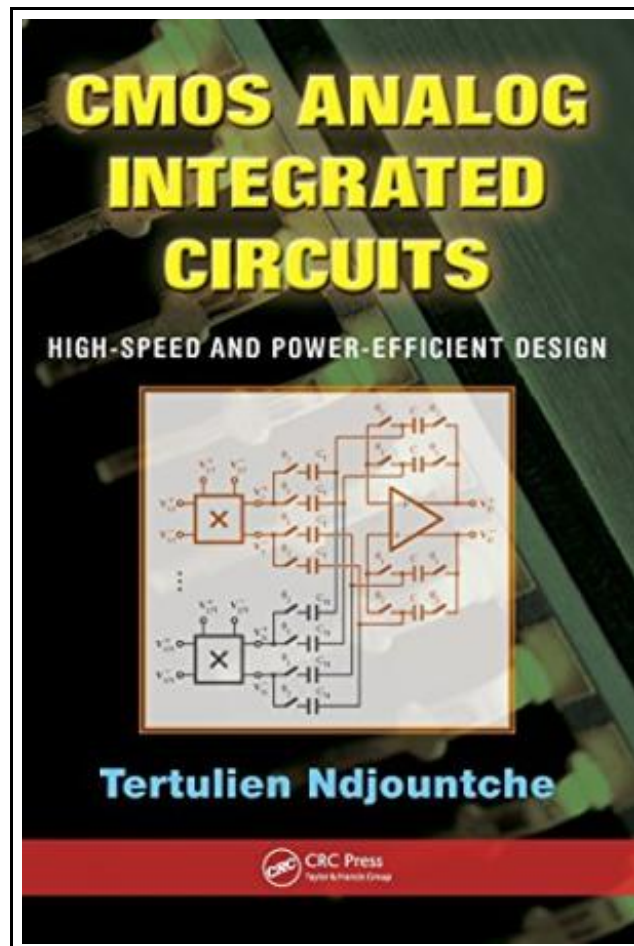


CMOS Analog Integrated Circuits: High-Speed and Power-Efficient Design



Filesize: 4.91 MB

Reviews

This written book is excellent. It typically is not going to price a lot of. I found out this book from my dad and i encouraged this book to discover.

(Darrin Abbott)

CMOS ANALOG INTEGRATED CIRCUITS: HIGH-SPEED AND POWER-EFFICIENT DESIGN

[DOWNLOAD](#)

CRC Press. Hardcover. Book Condition: New. Hardcover. 925 pages. Dimensions: 10.2in. x 7.2in. x 2.3in. High-speed, power-efficient analog integrated circuits can be used as standalone devices or to interface modern digital signal processors and micro-controllers in various applications, including multimedia, communication, instrumentation, and control systems. New architectures and low device geometry of complementary metaloxidesemiconductor (CMOS) technologies have accelerated the movement toward system on a chip design, which merges analog circuits with digital, and radio-frequency components. CMOS: Analog Integrated Circuits: High-Speed and Power-Efficient Design describes the important trends in designing these analog circuits and provides a complete, in-depth examination of design techniques and circuit architectures, emphasizing practical aspects of integrated circuit implementation. Focusing on designing and verifying analog integrated circuits, the author reviews design techniques for more complex components such as amplifiers, comparators, and multipliers. The book details all aspects, from specification to the final chip, of the development and implementation process of filters, analog-to-digital converters (ADCs), digital-to-analog converters (DACs), phase-locked loops (PLLs), and delay-locked loops (DLLs). It also describes different equivalent transistor models, design and fabrication considerations for high-density integrated circuits in deep-submicrometer process, circuit structures for the design of current mirrors and voltage references, topologies of suitable amplifiers, continuous-time and switched-capacitor circuits, modulator architectures, and approaches to improve linearity of Nyquist converters. The text addresses the architectures and performance limitation issues affecting circuit operation and provides conceptual and practical solutions to problems that can arise in the design process. This reference provides balanced coverage of theoretical and practical issues that will allow the reader to design CMOS analog integrated circuits with improved electrical performance. The chapters contain easy-to-follow mathematical derivations of all equations and formulas, graphical plots, and open-ended design problems to help determine most suitable architecture for a given set of performance specifications. This comprehensive and illustrative text for...



[Read CMOS Analog Integrated Circuits: High-Speed and Power-Efficient Design Online](#)



[Download PDF CMOS Analog Integrated Circuits: High-Speed and Power-Efficient Design](#)

See Also



Scholastic Discover More Animal Babies

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.6in. x 0.5in.Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the...

[Download Book »](#)



The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in.Oh sure, well all heard the story of Jonah and the Whale a hundred times. But have we...

[Download Book »](#)



Scholastic Discover More My Body

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.7in. x 0.6in.Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the...

[Download Book »](#)



Instrumentation and Control Systems

Elsevier Science & Technology. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Instrumentation and Control Systems, William Bolton, In a clear and readable style, Bill Bolton addresses the basic principles of modern instrumentation and...

[Download Book »](#)



Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 52 pages. Dimensions: 9.0in. x 6.0in. x 0.1in.Still finding it getting your way around your Kindle Fire Wish you had...

[Download Book »](#)



At-Home Tutor Language, Grade 2

Evan-Moor Educational Publishers. Paperback. Book Condition: New. Paperback. 96 pages. Dimensions: 10.7in. x 8.2in. x 0.3in. Developed by teachers, this curriculum-based series provides practice of important math and reading skills-ideal for providing additional practice at home.

[Download eBook »](#)



DK Readers Flying Ace, The Story of Amelia Earhart Level 4 Proficient Readers

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.8in. x 0.2in. Amelia Earhart was a famous woman pilot. She is about to set off on the most dangerous flight ever attempted. Find

[Download eBook »](#)



Lans Plant Readers Clubhouse Level 1

Barron's Educational Series. Paperback. Book Condition: New. Paperback. 24 pages. Dimensions: 8.9in. x 5.7in. x 0.3in. This is volume six, Reading Level 1, in a comprehensive program (Levels 1 and 2) for beginning readers. Two nine-book sets

[Download eBook »](#)



DK Readers Duckling Days

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.9in. x 0.2in. This Level 1 book is appropriate for children who are just beginning to read. Six ducklings follow mother duck everywhere. One

[Download eBook »](#)



Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large

Madelyn D R Books. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. This book is about my cousin, Billy a guy who taught me a lot over the years and who

[Download eBook »](#)