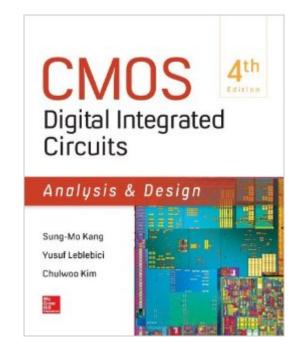
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## CMOS Digital Integrated Circuits Analysis & Design





## Synopsis

CMOS Digital Integrated Circuits: Analysis and Design continues the well-established tradition of the earlier editions by offering the most comprehensive coverage of digital CMOS circuit design, as well as addressing state-of-the-art technology issues highlighted by the widespread use of nanometer-scale CMOS technologies. In this latest edition, virtually, all chapters have been rewritten - the transistor model equations and device parameters have been revised to reflect the sigificant changes that must be taken into account for new technology generations, and the material has been reinforced with up-to-date examples. The broad-ranging coverage of this textbook starts with the fundamentals of CMOS process technology, and continues with MOS transistor models, basic CMOS gates, interconnect effects, dynamic circuits, memory circuits, arithmetic building blocks, clock and I/O circuits, low-power design techniques, design for manufacturability, and design for testability.

## **Book Information**

Hardcover: 736 pages Publisher: McGraw-Hill Education; 4 edition (January 24, 2014) Language: English ISBN-10: 0073380628 ISBN-13: 978-0073380629 Product Dimensions: 8.5 x 12 inches Shipping Weight: 2.6 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #837,021 in Books (See Top 100 in Books) #40 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > VLSI & ULSI #114 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #142 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic

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