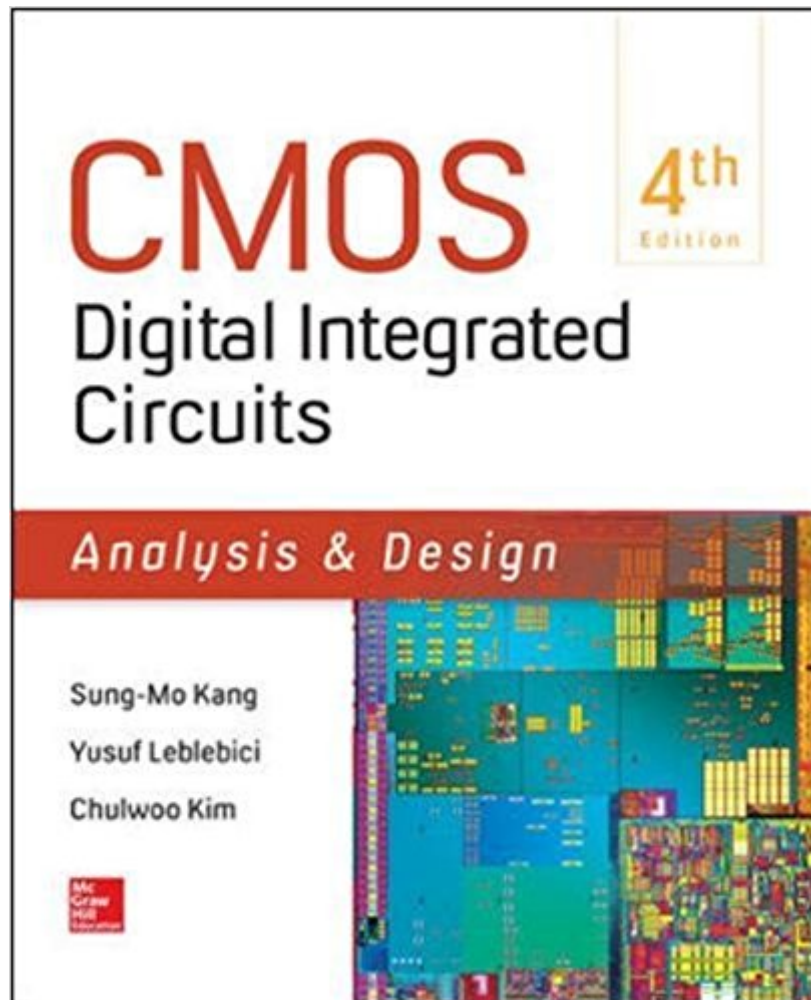




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CMOS Digital Integrated Circuits Analysis & Design



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 significant 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

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Customer Reviews

I learned a lot about the implementation of digital logic from this book. I also learned a lot about stain removal when I spilled hot sauce on a dress shirt a few weekends ago. That doesn't necessarily mean I want to do it again.

It's really an excellent book, analysis and design of CMOS digital ICs are covered into detail, and

theoretical considerations are complete ... mathematical description is detailed and analysis is done into details too. Excellent graphics and layout (but no colors). The only thing is that the price is really too high maybe it is worth that it was a color graphic book at this point, looking at this exaggerating price.... Last thing the book is 655 pages and not 1002 pg. Although it's an excellent textbook for anyone interested in the field of Digital CMOS design

Good

This book was used for an introduction course to CMOS, as such this book was maybe too much for the course. It is a good book though

It is simple to understand and helpful chapters transition build with one another and the problems are a great help. I would also recommend that you obtain SpiceOpus or Cadence in order to obtain a greater understanding of transistors.

Book came very quickly, was in great condition, even had some previous students' frustration notes in the book. This made me feel better knowing that someone else suffered in the process of learning this material.

I purchased this book from an Marketplace seller rather than from another (much cheaper) website because I thought that the -listed version of the book would be the U.S. edition. Unfortunately, this is actually the international edition of the book. This is actually indicated on the copyright page preview, but I missed that until after I received it and started noticing that my copy had different page numbers from the book my professor was using. If you want a U.S. edition of this book, you will have to look elsewhere. If you are okay with the inconvenience of using the international edition, you should still buy it somewhere else (where it is much less expensive).

This is a hard cover book in very good conditions. The price was a little high for not being the last edition, but it was a reasonable price.

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