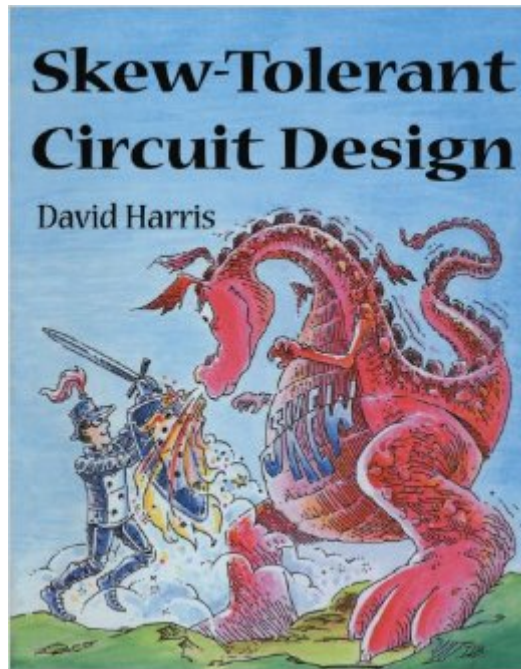


The book was found

# Skew-Tolerant Circuit Design (The Morgan Kaufmann Series In Computer Architecture And Design)



## Synopsis

As advances in technology and circuit design boost operating frequencies of microprocessors, DSPs and other fast chips, new design challenges continue to emerge. One of the major performance limitations in today's chip designs is clock skew, the uncertainty in arrival times between a pair of clocks. Increasing clock frequencies are forcing many engineers to rethink their timing budgets and to use skew-tolerant circuit techniques for both domino and static circuits. While senior designers have long developed their own techniques for reducing the sequencing overhead of domino circuits, this knowledge has routinely been protected as trade secret and has rarely been shared. Skew-Tolerant Circuit Design presents a systematic way of achieving the same goal and puts it in the hands of all designers. This book clearly presents skew-tolerant techniques and shows how they address the challenges of clocking, latching, and clock skew. It provides the practicing circuit designer with a clearly detailed tutorial and an insightful summary of the most recent literature on these critical clock skew issues. \* Synthesizes the most recent advances in skew-tolerant design in one cohesive tutorial\* Provides incisive instruction and advice punctuated by humorous illustrations\* Includes exercises to test understanding of key concepts and solutions to selected exercises

## Book Information

Series: The Morgan Kaufmann Series in Computer Architecture and Design

Paperback: 300 pages

Publisher: Morgan Kaufmann; 1 edition (June 5, 2000)

Language: English

ISBN-10: 155860636X

ISBN-13: 978-1558606364

Product Dimensions: 7.2 x 0.6 x 9.3 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars Â Â See all reviewsÂ (4 customer reviews)

Best Sellers Rank: #1,931,746 in Books (See Top 100 in Books) #78 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > VLSI & ULSI #252 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #277 inÂ Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Computer Design

## Customer Reviews

I really liked this book. It is great for someone who is just beginning in circuit design like myself. I recommend it even if you are weak in the areas of device physics and VLSI.

Excellent book on circuit design. The book is well constructed and explains things in easy to understand terms. Also, it gives real insight into circuit design from someone who has lots of experience. I highly, highly recommend!

It provides the practicing circuit designer with a clearly detailed tutorial and an insightful summary of the most recent literature on critical clock skew problems.

The quality of the product was good and i am happy with the purchase. I would like to purchase some other books which are useful.

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

Skew-Tolerant Circuit Design (The Morgan Kaufmann Series in Computer Architecture and Design)  
Computer Architecture, Fifth Edition: A Quantitative Approach (The Morgan Kaufmann Series in  
Computer Architecture and Design) Computer Architecture: A Quantitative Approach (The Morgan  
Kaufmann Series in Computer Architecture and Design) Computer Organization and Design, Fourth  
Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture  
and Design) Computer Organization and Design, Third Edition: The Hardware/Software Interface,  
Third Edition (The Morgan Kaufmann Series in Computer Architecture and Design) Computer  
Organization and Design: The Hardware Software Interface: ARM Edition (The Morgan Kaufmann  
Series in Computer Architecture and Design) Computers as Components, Third Edition: Principles  
of Embedded Computing System Design (The Morgan Kaufmann Series in Computer Architecture  
and Design) Computers as Components: Principles of Embedded Computing System Design (The  
Morgan Kaufmann Series in Computer Architecture and Design) ARM System Developer's Guide:  
Designing and Optimizing System Software (The Morgan Kaufmann Series in Computer  
Architecture and Design) Foundations of Analog and Digital Electronic Circuits (The Morgan  
Kaufmann Series in Computer Architecture and Design) See MIPS Run, Second Edition (The  
Morgan Kaufmann Series in Computer Architecture and Design) Routing, Flow, and Capacity  
Design in Communication and Computer Networks (The Morgan Kaufmann Series in Networking)  
Winter Circuit (Show Circuit Series -- Book 2) (The Show Circuit) Learning Processing, Second  
Edition: A Beginner's Guide to Programming Images, Animation, and Interaction (The Morgan  
Kaufmann Series in Computer Graphics) Real-Time Shader Programming (The Morgan Kaufmann

Series in Computer Graphics) MEL Scripting for Maya Animators, Second Edition (The Morgan Kaufmann Series in Computer Graphics) Pervasive Games: Theory and Design (Morgan Kaufmann Game Design Books) VLSI Test Principles and Architectures: Design for Testability (The Morgan Kaufmann Series in Systems on Silicon) Visual Thinking for Design (Morgan Kaufmann Series in Interactive Technologies) Transactional Information Systems: Theory, Algorithms, and the Practice of Concurrency Control and Recovery (The Morgan Kaufmann Series in Data Management Systems)

[Dmca](#)