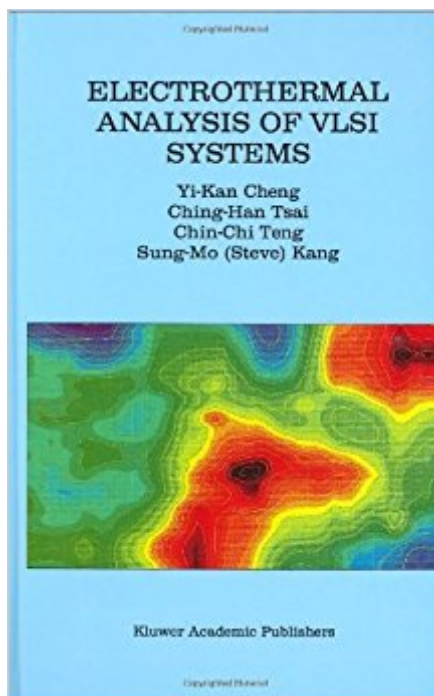


The book was found

# Electrothermal Analysis Of VLSI Systems



## Synopsis

This useful book addresses electrothermal problems in modern VLSI systems. It discusses electrothermal phenomena and the fundamental building blocks that electrothermal simulation requires. The authors present three important applications of VLSI electrothermal analysis: temperature-dependent electromigration diagnosis, cell-level thermal placement, and temperature-driven power and timing analysis.

## Book Information

Hardcover: 210 pages

Publisher: Springer; 2002 edition (June 30, 2000)

Language: English

ISBN-10: 079237861X

ISBN-13: 978-0792378617

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,711,637 in Books (See Top 100 in Books) #68 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > VLSI & ULSI](#) #734 in [Books > Science & Math > Physics > Dynamics > Thermodynamics](#) #1375 in [Books > Science & Math > Mathematics > Mathematical Analysis](#)

## Customer Reviews

From the Foreword: 'Continuing increases in the levels of circuit integration and concomitant increases in performance are sustaining the trend of increasing power dissipation in VLSI systems. A consequence is that the impact of temperature on the successful operation and reliability of devices must be comprehended during the design process.....This text provides a comprehensive formulation of the electrothermal analysis problem beginning with a summary of the sources of power dissipation in CMOS circuits and followed by a formulation of the effect of temperature on MOS devices.' Dr. Ralph K. Cavin, Vice President, Semiconductor Research Corporation

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

Electrothermal Analysis of VLSI Systems Circuits, Interconnections, and Packaging for Vlsi (Addison-Wesley VLSI systems series) VLSI DESIGN SIMPLE AND LUCID EXPLANATION: vlsi design for students CMOS VLSI Design: A Circuits and Systems Perspective (4th Edition)

Introduction to VLSI Circuits and Systems Introduction to VLSI Systems CMOS VLSI Design: A Circuits and Systems Perspective CMOS VLSI Design: A Circuits and Systems Perspective (3rd Edition) VLSI Digital Signal Processing Systems: Design and Implementation VLSI Test Principles and Architectures: Design for Testability (The Morgan Kaufmann Series in Systems on Silicon) Introduction to VLSI Systems: A Logic, Circuit, and System Perspective Algorithms, Complexity Analysis and VLSI Architectures for MPEG-4 Motion Estimation Fundamentals Of Information Systems Security (Information Systems Security & Assurance) - Standalone book (Jones & Bartlett Learning Information Systems Security & Assurance) Signals and Systems: Analysis of Signals Through Linear Systems Systems Engineering and Analysis (5th Edition) (Prentice Hall International Series in Industrial & Systems Engineering) Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) VLSI Memory Chip Design (Springer Series in Advanced Microelectronics) (v. 5) Silicon VLSI Technology: Fundamentals, Practice, and Modeling Essentials of Electronic Testing for Digital, Memory and Mixed-Signal VLSI Circuits (Frontiers in Electronic Testing)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)