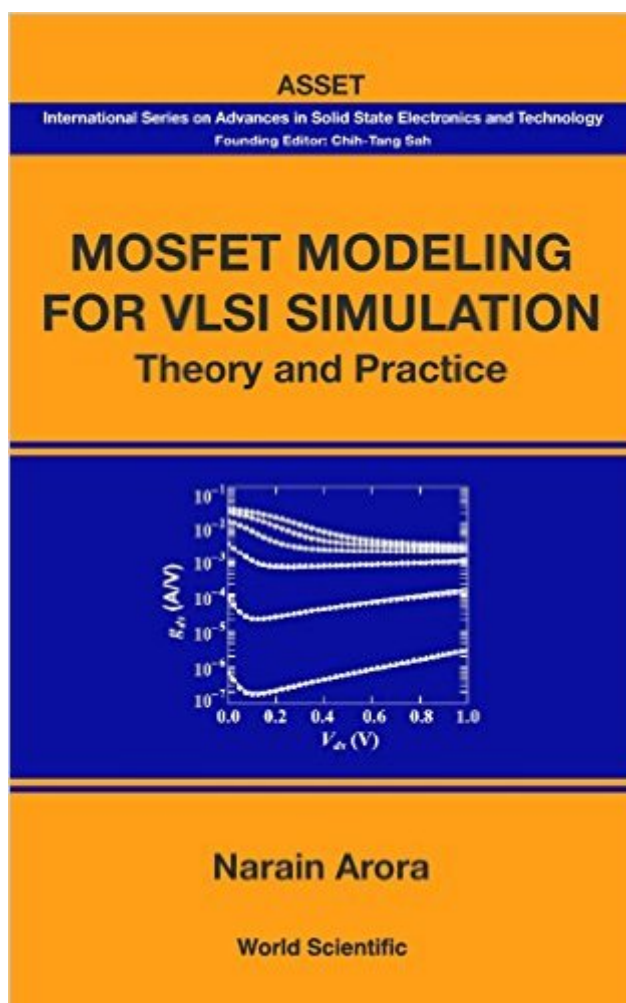


The book was found

**Mosfet Modeling For VLSI
Simulation: Theory And Practice
(International Series On Advances In
Solid State Electronics)
(International Series On Advances In
Solid State Electronics And
Technology)**





Synopsis

The book deals with the MOS Field Effect Transistor (MOSFET) models that are derived from basic semiconductor theory. Various models are developed, ranging from simple to more sophisticated models that take into account new physical effects observed in submicron transistors used in today's (1993) MOS VLSI technology. The assumptions used to arrive at the models are emphasized so that the accuracy of the models in describing the device characteristics are clearly understood. Due to the importance of designing reliable circuits, device reliability models are also covered. Understanding these models is essential when designing circuits for state-of-the-art MOS ICs.

Book Information

Hardcover: 632 pages

Publisher: World Scientific Publishing Company (February 14, 2007)

Language: English

ISBN-10: 981256862X

ISBN-13: 978-9812568625

Product Dimensions: 6.4 x 1.2 x 9 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,162,212 in Books (See Top 100 in Books) #69 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State #122 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > VLSI & ULSI #594 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors

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

Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) The Physics And Modeling of Mosfets (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology (Unnumbered)) Logic Non-Volatile Memory:The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics and Technology) MOSFET Modeling With SPICE: Principles and Practice Mathematical Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in Science, Engineering and Technology) Logic Non-Volatile Memory :

The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics)
Silicon VLSI Technology: Fundamentals, Practice and Modeling (Taschenbuch) Silicon VLSI
Technology: Fundamentals, Practice, and Modeling Switched Reluctance Motor Drives: Modeling,
Simulation, Analysis, Design, and Applications (Industrial Electronics) Circuits, Interconnections,
and Packaging for Vlsi (Addison-Wesley VLSI systems series) "The Handbook of Nanotechnology.
Nanometer Structures: Theory, Modeling, and Simulation (SPIE Press Monograph Vol. PM129)"
Chip Design for Submicron VLSI: CMOS Layout and Simulation Fundamentals of Network Analysis
and Synthesis (Prentice-Hall electrical engineering series. Solid state physical electronics series.
Prentice-Hall networks series) Advanced Power MOSFET Concepts Optical Processes in
Semiconductors (Prentice-Hall electrical engineering series. Solid state physical electronics series)
Fiber Optics and Optoelectronics (Prentice Hall Series in Solid State Physical Electronics) Waves
and Fields in Optoelectronics (Prentice-Hall series in solid state physical electronics) VLSI Analog
Signal Processing Circuits: Algorithm, Architecture, Modeling, and Circuit Implementation Basic
Solid State Electronics: The Configuration and Management of Information Systems (5 Volume Set)
Fundamentals of Quantum Mechanics: For Solid State Electronics and Optics

[Dmca](#)