



## Statistical Performance Analysis and Modeling Techniques for Nanometer VLSI Designs (Paperback)

By Ruijing Shen, Sheldon X. D. Tan, Hao Yu

Springer-Verlag New York Inc., United States, 2014. Paperback. Condition: New. 2012 ed.. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Since process variation and chip performance uncertainties have become more pronounced as technologies scale down into the nanometer regime, accurate and efficient modeling or characterization of variations from the device to the architecture level have become imperative for the successful design of VLSI chips. This book provides readers with tools for variation-aware design methodologies and computer-aided design (CAD) of VLSI systems, in the presence of process variations at the nanometer scale. It presents the latest developments for modeling and analysis, with a focus on statistical interconnect modeling, statistical parasitic extractions, statistical full-chip leakage and dynamic power analysis considering spatial correlations, statistical analysis and modeling for large global interconnects and analog/mixed-signal circuits. Provides readers with timely, systematic and comprehensive treatments of statistical modeling and analysis of VLSI systems with a focus on interconnects, on-chip power grids and clock networks, and analog/mixed-signal circuits; Helps chip designers understand the potential and limitations of their design tools, improving their design productivity; Presents analysis of each algorithm with practical applications in the context of real circuit design; Includes numerical examples for the quantitative analysis and evaluation of...



**READ ONLINE**  
[ 2.11 MB ]

### Reviews

*Comprehensive guide for ebook lovers. It is written in simple words and phrases and never confusing. You are going to like how the writer created this pdf.*  
-- **Dr. Cullen Schmitt MD**

*Absolutely one of the best books I have ever studied. It is actually written in simple terms rather than confusing. I realized this pdf from my dad and I suggested this pdf to understand.*  
-- **Garry Quigley**

## Related eBooks



**Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.



**Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.



**Growing Up: From Baby to Adult High Beginning Book with Online Access**

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.



**Ninja Adventure Book: Ninja Book for Kids with Comic Illustration: Fart Book: Ninja Skateboard Farts (Perfect Ninja Books for Boys - Chapter Books for Kids Age 8 - 10 with Comic Pictures Audiobook with Book)**

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.BONUS - Includes FREE Dog Farts Audio Book for Kids Inside! For a very time limited period you can download...



**Comic Illustration Book For Kids With Dog Farts FART BOOK Blaster Boomer Slammer Popper, Banger Volume 1 Part 1**

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 234 pages. Dimensions: 9.0in. x 6.0in. x 0.5in.BONUS - Includes FREE Dog Farts Audio Book for Kids Inside! For a very time limited period you can download...



**Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback**

Book Condition: Brand New. Book Condition: Brand New.