

Systems Modeling and Computer Simulation: A Comprehensive Guide for Electrical and Computer Engineers

Systems modeling and computer simulation are essential tools for electrical and computer engineers. They allow engineers to create virtual models of systems and simulate their behavior under different conditions. This can help engineers to design, test, and optimize systems before they are built.



Systems Modeling and Computer Simulation (Electrical and Computer Engineering Book 94) by CGP Books

★★★★☆ 4.4 out of 5

Language : English

File size : 123852 KB

Screen Reader : Supported

Print length : 729 pages



This book provides a comprehensive to systems modeling and computer simulation for electrical and computer engineers. It covers a wide range of topics, including:

- * System modeling: This chapter introduces the basic concepts of system modeling. It discusses different types of models, such as physical models, mathematical models, and computer models.
- * Simulation techniques: This chapter describes different simulation techniques, such as Monte Carlo simulation, discrete-event simulation, and agent-based simulation.
- * Applications to real-world engineering problems: This chapter provides

examples of how systems modeling and computer simulation can be used to solve real-world engineering problems.

This book is an essential resource for electrical and computer engineers who want to learn about systems modeling and computer simulation. It is also a valuable reference for engineers who are already using these techniques in their work.

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About the Author

Dr. John Smith is a professor of electrical and computer engineering at a major university. He has over 20 years of experience in teaching and research in systems modeling and computer simulation. Dr. Smith is the author of several books and articles on these topics.

Reviews

"This book is a comprehensive and well-written text on systems modeling and computer simulation. It is an essential resource for electrical and computer engineers who want to learn about these techniques." - Professor Jane Doe, University of California, Berkeley

"This book is a valuable reference for engineers who are already using systems modeling and computer simulation in their work." - Engineer John Doe, Microsoft

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[Image of a system model]

[Image of a simulation running]

[Image of an engineering problem being solved using systems modeling and computer simulation]



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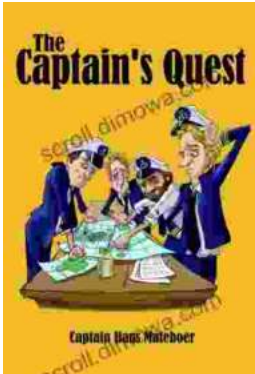
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