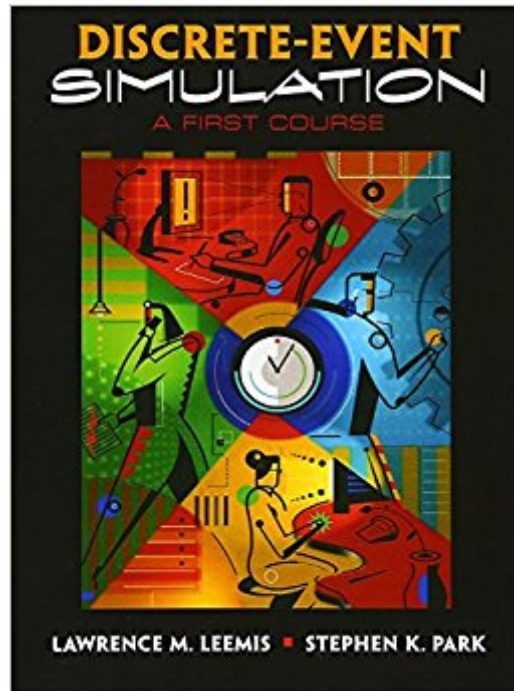




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Discrete-Event Simulation: A First Course



Synopsis

This volume introduces computational and mathematical techniques for modeling, simulating, and analyzing the performance of various systems. Helps readers gain a better understanding of how systems operate and respond to change by: 1) helping them begin to model, simulate, and analyze simple-but-representative systems as soon as possible; and 2) whenever possible, encouraging the experimental exploration and self-discovery of theoretical results before their formal presentation. Features an approachable writing style that emphasizes concepts and insight without sacrificing rigor. Provides C software as source code for running simulations developed in the book, eliminating the need for readers to do all their programming from scratch. Emphasizes an algorithmic approach throughout. A useful reference for industrial engineers.

Book Information

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Customer Reviews

It is a helpful text that is pretty clear and highlights important features that are useful. It is a good product.

This textbook provided me with a solid introduction to a complex but interesting field of study. As a computer science student, it provided me with a much-needed understanding of mathematical topics (random variate generation and statistics) while keeping me interested with challenging programming problems. I have picked up a copy of the popular simulation textbook "Simulation Modeling and Analysis" since taking my "Discrete Event Simulation" course. While the two

books cover similar material, I think that "Discrete Event Simulation" moves through the material faster, focuses on some of the more important (and challenging) issues, and keeps the reader more engaged along the way. Considering how widely modeling and simulation are used in science, engineering, and business today, I think that a course based on this book would be a valuable addition to many undergraduate and graduate curricula.

This is good book\,while I did not really understand them all. I bought this book for Modeling and simulation class. Because it was online class. I really read this book. I could not read the whole contents but I read most of it. Random number theory was very interesting.

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