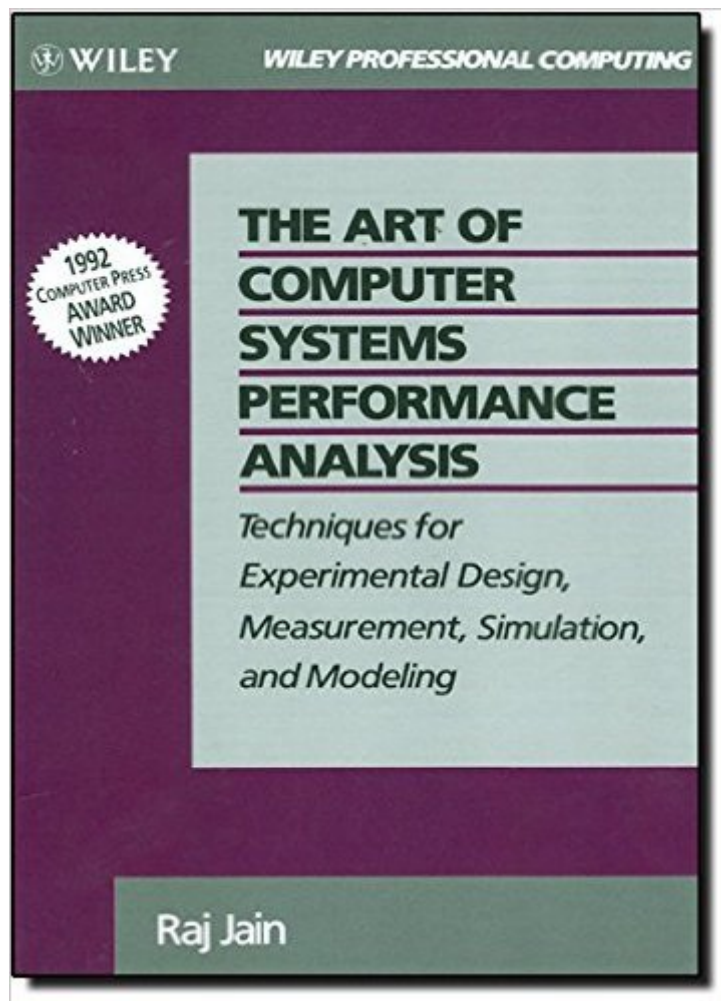


The book was found

The Art Of Computer Systems Performance Analysis: Techniques For Experimental Design, Measurement, Simulation, And Modeling



Synopsis

The Art of Computer Systems Performance Analysis "At last, a welcome and needed text for computer professionals who require practical, ready-to-apply techniques for performance analysis. Highly recommended!" -Dr. Leonard Kleinrock University of California, Los Angeles "An entirely refreshing text which has just the right mixture of theory and real world practice. The book is ideal for both classroom instruction and self-study." -Dr. Raymond L. Pickholtz President, IEEE Communications Society "An extraordinarily comprehensive treatment of both theoretical and practical issues." -Dr. Jeffrey P. Buzen Internationally recognized performance analysis expert ". it is the most thorough book available to date" -Dr. Erol Gelenbe Universit   Ren   Descartes, Paris ". an extraordinary book.. A worthy addition to the bookshelf of any practicing computer or communications engineer" -Dr. Vinton G. Cer??? Chairman, ACM SIGCOMM "This is an unusual object, a textbook that one wants to sit down and peruse. The prose is clear and fluent, but more important, it is witty." -Allison Mankin The Mitre Washington Networking Center Newsletter

Book Information

Hardcover: 685 pages

Publisher: Wiley; 1 edition (April 1991)

Language: English

ISBN-10: 0471503363

ISBN-13: 978-0471503361

Product Dimensions: 6.3 x 1.5 x 9.6 inches

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

Average Customer Review: 4.5 out of 5 stars      See all reviews   (21 customer reviews)

Best Sellers Rank: #109,108 in Books (See Top 100 in Books) #3 in   Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Performance Optimization #665 in   Books > Computers & Technology > Computer Science #1828 in   Books > Textbooks > Computer Science

Customer Reviews

This seminal book was the most complete mainstream text on the subject when it was first published in 1991. The reason it remains popular eleven years later (which is an extraordinary life for a computer book) is because it's an applied mathematics book that focuses solely on performance analysis, simulation and measurements. Technology may change at a rapid pace, but the techniques for measuring it do not. The book is broken into six parts consisting of 36 chapters

and ten appendices. Part I is an overview of performance evaluation. I liked the chapter on common mistakes and how to avoid them, and the guidelines for selecting techniques and metrics. Measurement techniques and tools are the focus of Part II. the eight chapters in this part address the full spectrum, including workload types, characterization techniques, capacity planning and benchmarking, and data presentation. Most of the chapters are generic enough to be timeless. The chapters covering execution monitors and accounting logs are showing their age, but the concepts are still valid. I especially liked the chapters about data presentation and ratios. Part III is a refresher in statistics and probability, and can safely be skipped if your knowledge and skills are fresh. Part IV delves into experimental design and analysis, while Part V covers simulations. The remaining six chapters of the book, Part VI, are devoted to queuing models. Note that although the math is clearly explained you need college level skills in order to fully comprehend the techniques presented. I recommend investing in MathCAD or a similar program to make it easy to work the exercises that end each chapter. This book is one of the handful that will be on your bookshelf for years to come.

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

The Art of Computer Systems Performance Analysis: Techniques for Experimental Design, Measurement, Simulation, and Modeling Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB® and Simulink® (Modeling and Simulation in Science, Engineering and Technology) Experimental and Quasi-Experimental Designs for Generalized Causal Inference Thermal Analysis with SOLIDWORKS Simulation 2016 and Flow Simulation 2016 Performance Evaluation of Complex Systems: Techniques and Tools: Performance 2002. Tutorial Lectures (Lecture Notes in Computer Science) Tests & Measurement for People Who (Think They) Hate Tests & Measurement Object-Oriented Analysis and Design for Information Systems: Modeling with UML, OCL, and IFML Performance and Evaluation of Lisp Systems (Computer Systems Series) Manual of Microsurgery on the Laboratory Rat. Part 1: General Information and Experimental Techniques (Techniques in the Behavioral and Neural Science, 4) (Pt.1) Measurement Systems: Application and Design Aircraft Control and Simulation: Dynamics, Controls Design, and Autonomous Systems Reliability of Computer Systems and Networks: Fault Tolerance, Analysis, and Design Location Determination within Wireless Networks: Dynamic indoor/outdoor Localization Systems: Algorithm Design, Performance Analysis and Comparison Study Biological Modeling and Simulation: A Survey of Practical Models, Algorithms, and Numerical Methods (Computational Molecular Biology) Case Studies in Certified Quantitative Risk Management (CQRM): Applying Monte Carlo Risk Simulation, Strategic Real Options, Stochastic Forecasting, ... Business

Intelligence, and Decision Modeling Principles of Object-Oriented Modeling and Simulation with Modelica 3.3: A Cyber-Physical Approach System Analysis and Modeling: Models and Reusability: 8th International Conference, SAM 2014, Valencia, Spain, September 29-30, 2014. Proceedings (Lecture Notes in Computer Science) Modeling and Analysis of Dynamic Systems Introduction to the Modeling and Analysis of Complex Systems Computer Organization and Design, Fifth Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design)

[Dmca](#)