

Y.C. Tay

Analytical Performance Modeling for Computer Systems

Third Edition

Analytical Performance Modeling For Computer Systems

Y C Tay

**Antonio Fernández Anta, Chryssis
Georgiou, Maurice Herlihy, Maria Potop-
Butucaru**

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Performance Modeling and Design of Computer Systems Mor Harchol-Balter, 2013-02-18 Tackling the questions that systems designers care about, this book brings queueing theory decisively back to computer science. The book is written with computer scientists and engineers in mind and is full of examples from computer systems as well as manufacturing and operations research. Fun and readable, the book is highly approachable even for undergraduates while still being thoroughly rigorous and also covering a much wider span of topics than many queueing books. Readers benefit from a lively mix of motivation and intuition with illustrations, examples and more than 300 exercises all while acquiring the skills needed to model, analyze and design large scale systems with good performance and low cost. The exercises are an important feature teaching research level counterintuitive lessons in the design of computer systems. The goal is to train readers not only to customize existing analyses but also to invent their own. **Creating Autonomous Vehicle Systems, Second Edition**

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