

Quantitative System Performance  
Computer System Analysis Using  
Queueing Network Models

Edward D. Lazowska, John Zahorjan,  
G. Scott Graham, and Kenneth C. Sevcik

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Quantitative system performance: computer system analysis using queueing network models, Edward D. Lazowska, Prentice-Hall, 1984, 0137469756, 9780137469758, 417 pages. An overview of queueing network modelling. Conducting a modelling study. Fundamental laws. General analytic technique. Bounds on performance. Models with one job class. Models with multiple job classes. Flow equivalence and hierarchical modelling. Representing specific subsystems. Memory. Disk I/O. Processors. Parameterization. Existing systems. Evolving systems. Proposed systems. Perspective. Using queueing network modelling software. Appendices. Constructing a model from RMF data. An implementation of single class, exact MVA. An implementation of multiple class, exact MVA. Load dependent service centers. Index..

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