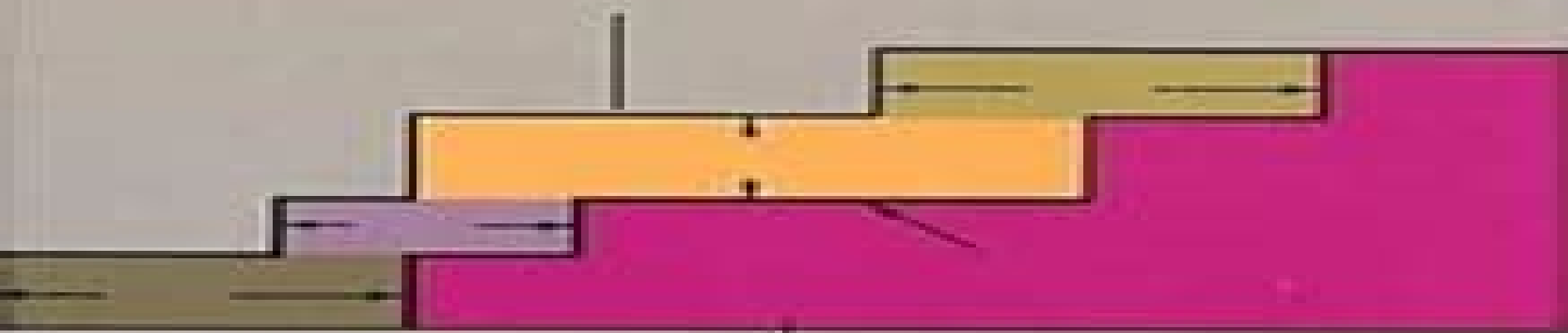


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Forman S. Acton



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Introduction to the Mathematics of Operations Research with Mathematica® Kevin J. Hastings, 2018-10-24 The breadth of information about operations research and the overwhelming size of previous sources on the subject make it a difficult topic for non specialists to grasp Fortunately Introduction to the Mathematics of Operations Research with Mathematica Second Edition delivers a concise analysis that benefits professionals in operations research and related fields in statistics management applied mathematics and finance The second edition retains the character of the earlier version while incorporating developments in the sphere of operations research technology and mathematics pedagogy Covering the topics crucial to applied mathematics it examines graph theory linear programming stochastic processes and dynamic programming This self contained text includes an accompanying electronic version and a package of useful commands The electronic version is in the form of Mathematica notebooks enabling you to devise edit and execute reexecute commands increasing your level of comprehension and problem solving Mathematica sharpens the impact of this book by allowing you to conveniently carry out graph algorithms experiment with large powers of adjacency matrices in order to check the path counting theorem and Markov chains construct feasible regions of linear programming problems and use the dictionary method to solve these problems You can also create simulators for Markov chains Poisson processes and Brownian motions in Mathematica increasing your understanding of the defining conditions of these processes Among many other benefits Mathematica also promotes recursive solutions for problems related to first passage times and absorption probabilities

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Information Technologies and Mathematical Modelling. Queueing Theory and Applications Alexander Dudin, Anatoly Nazarov, Alexander Moiseev, 2018-08-27 This book constitutes the proceedings of the 17th International Conference on Information Technologies and Mathematical Modelling ITMM 2018 named after A F

Terpuogov and the 12th Workshop on Retrial Queues and Related Topics held in Tomsk Russia in September 2018 The 30 papers presented in this volume were carefully reviewed and selected from 84 submissions The conference covers various aspects of information technologies focusing on queueing theory stochastic processes Markov processes renewal theory network performance equation and network protocols

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Real Computing Made Real Forman S. Acton, 2013-01-18 This concise guide to trouble shooting offers practical advice on detecting and removing the bugs preserving significant figures avoiding extraneous solutions and finding efficient iterative processes for solving nonlinear equations 1996 edition

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