



An Introduction to Optimization (Hardback)

By Edwin K. P. Chong, Stanislaw H. Zak

John Wiley Sons Inc, United States, 2013. Hardback. Book Condition: New. 4th Revised edition. 236 x 157 mm. Language: English . Brand New Book. Praise for the Third Edition .guides and leads the reader through the learning path .[e]xamples are stated very clearly and the results are presented with attention to detail. MAA Reviews Fully updated to reflect new developments in the field, the Fourth Edition of Introduction to Optimization fills the need for accessible treatment of optimization theory and methods with an emphasis on engineering design. Basic definitions and notations are provided in addition to the related fundamental background for linear algebra, geometry, and calculus. This new edition explores the essential topics of unconstrained optimization problems, linear programming problems, and nonlinear constrained optimization. The authors also present an optimization perspective on global search methods and include discussions on genetic algorithms, particle swarm optimization, and the simulated annealing algorithm. Featuring an elementary introduction to artificial neural networks, convex optimization, and multi-objective optimization, the Fourth Edition also offers: * A new chapter on integer programming * Expanded coverage of one-dimensional methods * Updated and expanded sections on linear matrix inequalities * Numerous new exercises at the end of each chapter * ...

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