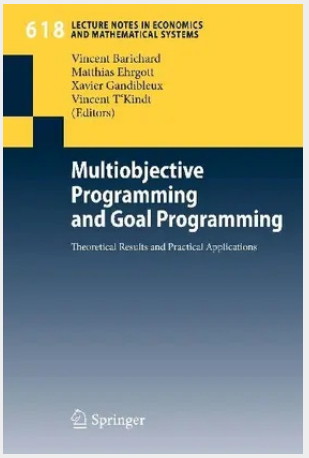
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Multiobjective Programming and Goal Programming

Theoretical Results and Practical Applications



MOPGP is an international conference series devoted to multi-objective p- gramming and goal programming (MOP/GP). This conference brings together researchers and practitioners from different disciplines of Computer Science, Operational Research, Optimisation Engineering, Mathematical Programming and Multi-criteria Decision Analysis. Theoretical results and algorithmic developments in the ?eld of MOP and GP are covered, including practice and applications of MOP/GP in real-life situations. The MOP/GP international conferences are organised in a biennial cycle. The previous editions were held in United Kingdom (1994), Spain (1996), Canada (1998), Poland (2000), Japan (2002), and Tunisia (2004). The Seventh me- ing (MOPGP'06) was organised in the Loire Valley (Center-West of France) by X. Gandibleux, (University of Nantes, chairman) and V. T'Kindt (University of Tours, co-chairman). The conference was hosted during three days (June 12–14, 2006) by the old city hall of Tours which is located in the city centre of Tours. The conference comprised four plenary sessions (M. Ehrgott; P. Perny; R. Caballero and F. Ruiz; S. Oussedik) and six semi-plenary sessions (N. Jussien and V. Barichard; D. Corne and J. Knowles; H. Hoogeveen; M. Wiecek; E. Bampis; F. Ben Abdelaziz) and 82 regular talks. The (semi-)plenary speakers were invited, while the regular talks were selected by the international scienti?c committee composed of 61 eminent researchers on basis of a 4-pages abstract.

Multiobjective Programming and Goal-Programming.- A Constraint Method in Nonlinear Multi-Objective Optimization.- The Attainment of the Solution of the Dual Program in Vertices for Vectorial Linear Programs.- Optimality of the Methods for Approximating the Feasible Criterion Set in the Convex Case.- Introducing Nonpolyhedral Cones to Multiobjective Programming.- A GP Formulation for Aggregating Preferences with Interval Assessments.- Multiobjective Combinatorial Optimization.- Bicriterion Shortest Paths in Stochastic Time-Dependent Networks.- Clusters of Non-dominated Solutions in Multiobjective Combinatorial Optimization: An Experimental Analysis.- Computational Results for Four Exact Methods to Solve the Three-Objective Assignment Problem.- Constraint Optimization Techniques for Exact Multi-Objective Optimization.- Outer Branching: How to Optimize under Partial Orders?.- Multiobjective Metheuristics.- On Utilizing Infeasibility in Multiobjective Evolutionary Algorithms.- The Effect of Initial Population Sampling on the Convergence of Multi-Objective Genetic Algorithms.- Pattern Mining for Historical Data Analysis by Using MOEA.- Multiple-Objective Genetic Algorithm Using the Multiple Criteria Decision Making Method TOPSIS.- Multiobjective Games and Uncertainty.- Multi-Criteria Simple Games.- Multiobjective Cooperative Games with Restrictions on Coalitions.- An Experimental Investigation of the Optimal Selection Problem with Two Decision Makers.- Solving a Fuzzy Multiobjective Linear Programming Problem Through the Value and the Ambiguity of Fuzzy Numbers.- A Robust-Solution-Based Methodology to Solve Multiple-Objective Problems with Uncertainty.- Interactive Methods and Applications.- On the Use of Preferential Weights in Interactive Reference Point Based Methods.- Interactive Multiobjective Optimization of Superstructure SMB Processes.- Scheduling of Water Distribution Systems using a Multiobjective Approach.- On Conditional Value-at-Risk Based Goal Programming Portfolio Selection Procedure.- Optimal Bed Allocation in Hospitals.- Multiobjective (Combinatorial) Optimisation-Some Thoughts on Applications.- Multi-scenario Multi-objective Optimization with Applications in Engineering Design.

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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540856450
Medium: Buch
ISBN: 978-3-540-85645-0
Verlag: Springer
Erscheinungstermin: 30.01.2009
Sprache(n): Englisch
Auflage: 1. Auflage 2009
Serie: Lecture Notes in Economics and Mathematical Systems
Produktform: Kartoniert
Gewicht: 482 g
Seiten: 298
Format (B x H): 155 x 235 mm

fachmedien.de
WISSEN. EINFACH. FINDEN.

21.11.2026 | 19:16 Uhr

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)