



Evolutionary Multiobjective Optimization [Theoretical Advances and Applications /

Abraham, Ajith

Springer London,
2005

Monografía

Evolutionary Multiobjective Optimization is a rare collection of the latest state-of-the-art theoretical research, design challenges and applications in the field of multiobjective optimization paradigms using evolutionary algorithms. It includes two introductory chapters giving all the fundamental definitions, several complex test functions and a practical problem involving the multiobjective optimization of space structures under static and seismic loading conditions used to illustrate the various multiobjective optimization concepts. Important features include: Detailed overview of all the multiobjective optimization paradigms using evolutionary algorithms Excellent coverage of timely, advanced multiobjective optimization topics State-of-the-art theoretical research and application developments Chapters authored by pioneers in the field Academics and industrial scientists as well as engineers engaged in research, development and application of evolutionary algorithm based Multiobjective Optimization will find the comprehensive coverage of this book invaluable

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vNzkzNzgxNg>

Título: Evolutionary Multiobjective Optimization [Recurso electrónico] :] Theoretical Advances and Applications edited by Ajith Abraham, Lakhmi Jain, Robert Goldberg

Editorial: London Springer London 2005

Descripción física: XVIII, 302 p. 173 illus

Mención de serie: Advanced Information and Knowledge Processing Springer eBooks

Contenido: Evolutionary Multiobjective Optimization -- Recent Trends in Evolutionary Multiobjective Optimization -- Self-adaptation and Convergence of Multiobjective Evolutionary Algorithms in Continuous Search Spaces -- A Simple Approach to Evolutionary Multiobjective Optimization -- Quad-trees: A Data Structure for Storing Pareto-sets in Multiobjective Evolutionary Algorithms with Elitism -- Scalable Test Problems for Evolutionary Multiobjective Optimization -- Particle Swarm Inspired Evolutionary Algorithm (PS-EA) for Multi-criteria Optimization Problems -- Evolving Continuous Pareto Regions -- MOGADES: Multiobjective Genetic Algorithm with Distributed Environment Scheme -- Use of Multiobjective Optimization Concepts to Handle Constraints in Genetic Algorithms -- Multi-criteria Optimization of Finite State Automata: Maximizing Performance while Minimizing Description Length -- Multiobjective Optimization of Space Structures under Static and Seismic Loading Conditions

Detalles del sistema: Forma de acceso: World Wide Web

ISBN: 9781846281372

Autores: Jain, Lakhmi Goldberg, Robert

Entidades: SpringerLink

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es