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Titolo	An Introduction to Metaheuristics for Optimization // by Bastien Chopard, Marco Tomassini
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Descrizione fisica	1 online resource (XII, 226 p. 44 illus. in color.)
Collana	Natural Computing Series, , 2627-6461
Disciplina	519.3
Soggetti	Artificial intelligence Mathematical optimization Computational intelligence Operations research Computer science Artificial Intelligence Optimization Computational Intelligence Operations Research and Decision Theory Theory of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Problems, Algorithms, Computational Complexity -- Search Space -- Tabu Search -- Simulated Annealing -- Ant Colony Optimization (ACO) -- Non-PSO Optimization -- Firefly Algorithm, Cuckoo Algorithm, Lévy Flights -- Evolutionary Algorithms: Foundations -- Evolutionary Algorithms: Advanced -- Phase Transition in Optimization Problems -- Performance and Limitations of Metaheuristics -- Statistical Analysis of Research Spaces.
Sommario/riassunto	The authors stress the relative simplicity, efficiency, flexibility of use, and suitability of various approaches used to solve difficult optimization problems. The authors are experienced, interdisciplinary lecturers and researchers and in their explanations they demonstrate many shared foundational concepts among the key methodologies. This textbook is a suitable introduction for undergraduate and

graduate students, researchers, and professionals in computer science,
engineering, and logistics.
