

Metaheuristics for Hard Optimization

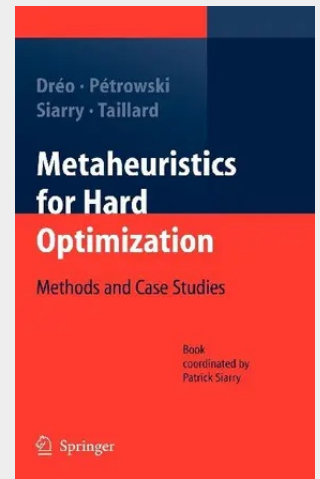
Methods and Case Studies

Metaheuristics for Hard Optimization comprises of three parts. The first part is devoted to the detailed presentation of the four most widely known metaheuristics:

- the simulated annealing method,
- tabu search,
- the evolutionary algorithms,
- ant colony algorithms.

Each one of these metaheuristics is actually a family of methods, of which the essential elements are discussed. In the second part, the book presents some other less widespread metaheuristics, then, extensions of metaheuristics and some ways of research are described. The problem of the choice of a metaheuristic is posed and solution methods are discussed. The last part concentrates on three case studies from telecommunications, air traffic control, and vehicle routing.

Metaheuristics for Hard Optimization comprises of three parts. The first part is devoted to the detailed presentation of the four most widely known metaheuristics: the simulated annealing method, the tabu search, the evolutionary algorithms, the ant colony algorithms. Each one of these metaheuristics is actually a family of methods, of which the essential elements are discussed. In the second part, the book presents some other less widespread metaheuristics, then, extensions of metaheuristics and some ways of research are described. The problem of the choice of a metaheuristic is posed and solution methods are discussed. The last part concentrates on three case studies from telecommunications, air traffic control, and vehicle routing.



53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540230229

Medium: Buch

ISBN: 978-3-540-23022-9

Verlag: Springer

Erscheinungstermin: 24.11.2005

Sprache(n): Englisch

Auflage: 2006

Produktform: Gebunden

Gewicht: 1590 g

Seiten: 372

Format (B x H): 160 x 241 mm

