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Differential Evolution

A Practical Approach to Global Optimization

Problems demanding globally optimal solutions are ubiquitous, yet many are intractable when they involve constrained functions having many local optima and interacting, mixed-type variables.

The differential evolution (DE) algorithm is a practical approach to global numerical optimization which is easy to understand, simple to implement, reliable, and fast. Packed with illustrations, computer code, new insights, and practical advice, this volume explores DE in both principle and practice. It is a valuable resource for professionals needing a proven optimizer and for students wanting an evolutionary perspective on global numerical optimization.

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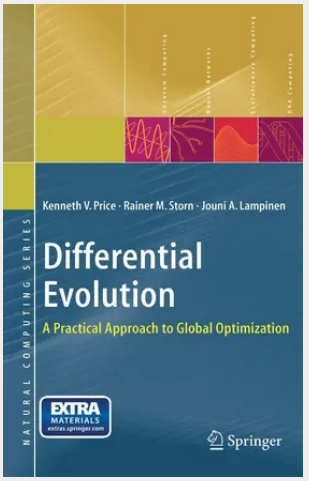

96,29 €
89,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540209508
Medium: Buch
ISBN: 978-3-540-20950-8
Verlag: Springer-Verlag GmbH
Erscheinungstermin: 13.12.2005
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2005
Serie: Natural Computing Series
Produktform: Gebunden
Gewicht: 2110 g
Seiten: 539
Format (B x H): 165 x 243 mm

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