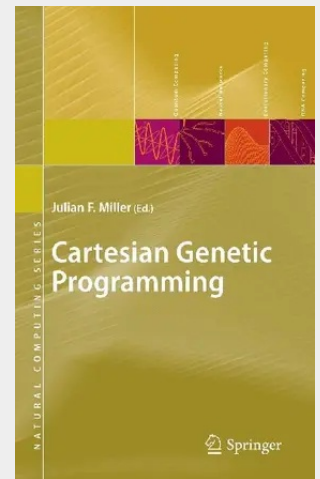


Cartesian Genetic Programming

Cartesian Genetic Programming (CGP) is a highly effective and increasingly popular form of genetic programming. It represents programs in the form of directed graphs, and a particular characteristic is that it has a highly redundant genotype–phenotype mapping, in that genes can be noncoding. It has spawned a number of new forms, each improving on the efficiency, among them modular, or embedded, CGP, and self-modifying CGP. It has been applied to many problems in both computer science and applied sciences. This book contains chapters written by the leading figures in the development and application of CGP, and it will be essential reading for researchers in genetic programming and for engineers and scientists solving applications using these techniques. It will also be useful for advanced undergraduates and postgraduates seeking to understand and utilize a highly efficient form of genetic programming.

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106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783642173097
Medium: Buch
ISBN: 978-3-642-17309-7
Verlag: Springer
Erscheinungstermin: 17.09.2011
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2011
Serie: Natural Computing Series
Produktform: Gebunden
Gewicht: 717 g
Seiten: 346
Format (B x H): 160 x 241 mm

