

Advances in evolutionary and deterministic methods for design, optimization and control in engineering and sciences /

Greiner, David,
editor

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Monografía

This book contains state-of-the-art contributions in the field of evolutionary and deterministic methods for design, optimization and control in engineering and sciences. Specialists have written each of the 34 chapters as extended versions of selected papers presented at the International Conference on Evolutionary and Deterministic Methods for Design, Optimization and Control with Applications to Industrial and Societal Problems (EUROGEN 2013). The conference was one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS). Topics treate

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**Bibliografía:** References Hybrid Optimization Algorithms and Hybrid Response Surfaces; 2.1 Introduction; 2.2 Hybrid Optimization Algorithm Concepts; 2.3 Hybrid Response Surface Generation Concepts; 2.3.1 Polynomial Regression; 2.3.2 Self Organizing Algorithms [19, 20]; 2.3.3 Kriging; 2.3.4 Radial Basis Functions; 2.3.5 Wavelet

Based Neural Networks [31, 32]; 2.4 Hybrid Methods for Response Surfaces; 2.4.1 Fittest Polynomial Radial Basis Function (FP-RBF) [28]; 2.4.2 Kriging Approximation with Fittest Polynomial Radial Basis Function (KRG-FP-RBF); 2.4.3 Hybrid Self Organizing Model With RBF [20]

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