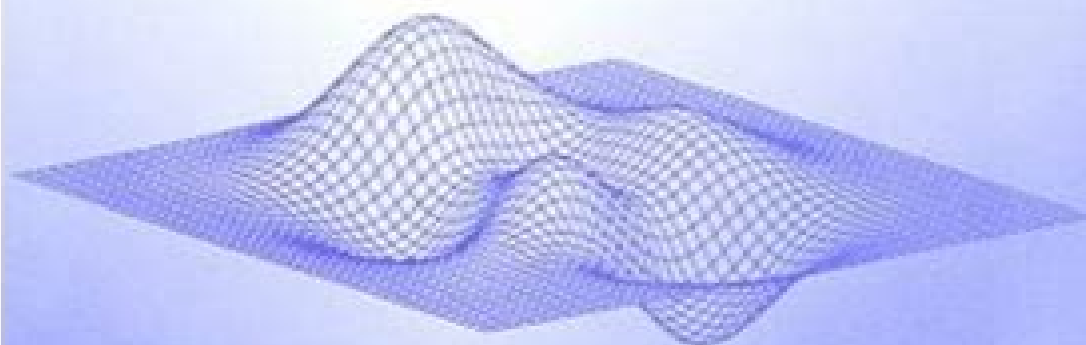


NONCONVEX OPTIMIZATION AND ITS APPLICATIONS

Approximation and Complexity in Numerical Optimization

Continuous and Discrete Problems

Panos M. Pardalos (Ed.)



Kluwer Academic Publishers

Approximation And Complexity In Numerical Optimization Approximation And Complexity In Numerical Optimization

**Sergiy Butenko, Robert Murphey, Panos
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Unconventional Computation Cristian Calude, 2006-08-24 This book constitutes the refereed proceedings of the 5th International Conference on Unconventional Computation UC 2006 held in York UK in September 2006 The 17 revised full papers presented together with four invited full papers were carefully reviewed and selected for inclusion in the book All current aspects of unconventional computation are addressed theory as well as experiments and applications

Cooperative Control: Models, Applications and Algorithms Sergiy Butenko, Robert Murphey, Panos M. Pardalos, 2013-04-17 During the last decades considerable progress has been observed in all aspects regarding the study of cooperative systems including modeling of cooperative systems resource allocation discrete event driven dynamical control continuous and hybrid dynamical control and theory of the interaction of information control and hierarchy Solution methods have been proposed using control and optimization approaches emergent rule based techniques game theoretic and team theoretic approaches Measures of performance have been suggested that include the effects of hierarchies and information structures on solutions performance bounds concepts of convergence and stability and problem complexity These and other topics were discussed at the Second Annual Conference on Cooperative Control and Optimization in Gainesville Florida Refereed papers written by selected conference participants from the conference are gathered in this volume which presents problem models theoretical results and algorithms for various aspects of cooperative control

Audience The book is addressed to faculty graduate students and researchers in optimization and control computer sciences and engineering

Approximation and Optimization Ioannis C. Demetriou, Panos M. Pardalos, 2019-05-10 This book focuses on the development of approximation related algorithms and their relevant applications Individual contributions are written by leading experts and reflect emerging directions and connections in data approximation and optimization Chapters discuss state of the art topics with highly relevant applications throughout science engineering technology and social

sciences Academics researchers data science practitioners business analysts social sciences investigators and graduate students will find the number of illustrations applications and examples provided useful This volume is based on the conference Approximation and Optimization Algorithms Complexity and Applications which was held in the National and Kapodistrian University of Athens Greece June 29 30 2017 The mix of survey and research content includes topics in approximations to discrete noisy data binary sequences design of networks and energy systems fuzzy control large scale optimization noisy data data dependent approximation networked control systems machine learning optimal design no free lunch theorem non linearly constrained optimization spectroscopy

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