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Gradient Flows,  
Algorithms and Control

Anthony Bloch  
Editor



American Mathematical Society

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# Hamiltonian And Gradient Flows Algorithms And Control

**Michael Hoelscher**



## **Hamiltonian And Gradient Flows Algorithms And Control:**

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*Recent Trends in Dynamical Systems* Andreas Johann, Hans-Peter Kruse, Florian Rupp, Stephan Schmitz, 2013-09-24 This book presents the proceedings of a conference on dynamical systems held in honor of Jürgen Scheurle in January 2012 Through both original research papers and survey articles leading experts in the field offer overviews of the current state of the theory and its applications to mechanics and physics In particular the following aspects of the theory of dynamical systems are covered Stability and bifurcation Geometric mechanics and control theory Invariant manifolds attractors and chaos Fluid mechanics and elasticity Perturbations and multiscale problems Hamiltonian dynamics and KAM theory Researchers and graduate students in dynamical systems and related fields including engineering will benefit from the articles presented in this volume

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International Symposium on the Mathematical Theory of Networks and Systems ,1993      Artificial Neural Networks and Machine Learning - ICANN 2023 Lazaros Iliadis,Antonios Papaleonidas,Plamen Angelov,Chrisina Jayne,2023-09-21 The 10 volume set LNCS 14254 14263 constitutes the proceedings of the 32nd International Conference on Artificial Neural Networks and Machine Learning ICANN 2023 which took place in Heraklion Crete Greece during September 26 29 2023 The 426 full papers and 9 short papers included in these proceedings were carefully reviewed and selected from 947 submissions ICANN is a dual track conference featuring tracks in brain inspired computing on the one hand and machine learning on the other with strong cross disciplinary interactions and applications

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