Advances In Dynamic Games And Their Applications

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Preface.- List of Contributors.- Part I. Dynamic-Differential Games: Theoretical Developments.- On Differential Games with Long-Time-Average Cost.- Fields of Extremals and Sufficient Conditions for a Class of Variational Games.- Linear Quadratic Differential Games: An Overview.- A Neumann Boundary Control for Multidimensional Parabolic "Minmax" Control Problems.- Non-Cooperative and Semi-Cooperative Differential Games.- Part II. Pursuit-Evasion (P-E) Games.- Some Geometrical Properties of the Phase Space Structure in Games on Manifolds.- Strategies for Alternative Pursuit Games.- Some Sufficient Conditions for Multi-Player Pursuit-Evasion Games with Continuous and Discrete Observations.- Part III. Numerical Approaches to Dynamic-Differential Games.- A Numerical Approach to the 'Princess and Monster' Game on an Interval.- Numerical Approximation and Optimal Strategies for Differential Games with Lack of Information on One Side.- Fully-Discrete Schemes for the Value Function of Pursuit-Evasion Games with State Constraints.- Numerical Solution of the Game of Two Cars with a Neurosimulator and Grid Computing.- Numerical Investigation of the Value Function for the Homicidal Chauffeur Problem with a More Agile Pursuer.- Part IV. Applications- Credible Linear-Incentive Equilibrium Strategies in Linear-Quadratic Differential Games.- Robust Control Approach to Digital Option Pricing: Synthesis Approach. - Part V. Search Games. - A Search Game with a Strategy of Energy Supply for Target.- The LQG Game Against Nature.- Part VI. Evolutionary Games.- Is Deterrence Evolutionarily Stable?.- Evolutionarily Robust Strategies: Two Nontrivial Examples and a Theorem.- Part VII. Stopping Games.- Nash Equilibrium in a Game Version of Elfving Problem.-Cooperative Strategies in Stopping Games.- Part VIII. Stochastic Games and Large "Neighborhood" Games.- Pure Equilibrium Strategies for Stochastic Games via Potential Functions.- Fibonacci Numbers and Equilibria in Large "Neighborhood" Games EAN/ISBN: 9780817648343 Publisher(s): Birkhuser Discussed keywords: Spieltheorie (mathemat.) Format: ePub/PDF Author(s): Bernhard, Pierre -Gaitsgory, Vladimir - Pourtallier, Odile

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