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| Soggetti | Mathematical optimization Data structures (Computer science) Information theory Artificial intelligence Application software Signal processing Computer science - Mathematics Discrete mathematics Discrete Optimization Data Structures and Information Theory Artificial Intelligence Computer and Information Systems Applications Signal, Speech and Image Processing Discrete Mathematics in Computer Science |
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| Nota di contenuto | Mathematical Programming -- Adaptive Variants of Frank-Wolfe Method with Relative Inexact Gradient Information -- Construction of a self-concordant barrier for a quasi-polyhedral cone with infinitely many |

faces -- Adaptive Method for Saddle Point Problems with a
 Generalization of Smoothness Property -- On the Study of Some
 Sufficient Conditions for the Existence of Regular Zeros of Quadratic
 Mappings -- STOCHASTIC GRADIENT DESCENT METHODS WITH STEP
 ADAPTATION -- Numerical analysis of the convex relaxation of the
 barrier parameter functional of self-concordant barriers -- Optimal
 Control -- On a Problem of Synthesis of Control of Boundary Condition
 and Motion of Measurement Points for Damping Oscillations of a String
 -- The Problem of Synthesis of Control of Movement of State Sensors
 and Power of Heating Sources of the Rod with Optimization of Their
 Placement -- On the Optimality of the Guaranteeing Solution in the
 Time-Optimization Problem for Linear Discrete-Time Systems with
 Integral Control Constraints -- Discrete H2-Optimal Synthesis Problem
 with Nonunique Solution -- Scattering-based stabilization technique
 for QSR-dissipative teleoperators with time-varying communication
 delays -- Game Theory -- Time-Inconsistency of Cooperative Networks
 in Differential Games -- Complete-to-Sparse: A Novel Graph
 Construction Strategy to Increase Efficiency of ShapG -- Two-Stage
 Game Model of Opinion Dynamics -- Genetic Algorithm for Repeated
 Prisoner's Dilemma -- Operations Research and Applications --
 BIGLDM: Innovative Forecasting of Infection Patterns with Bidirectional
 Generalized Least Deviation Models -- Closest target on the frontier of
 the free disposal hull -- Optimal trajectory for monitoring objects with
 obstacles -- An Improved Discrete Optimisation Procedure with
 comparison to Constraint Programming -- On a Bilevel Optimization
 Model of Electric Power Systems with a System Operator at the Upper
 Level -- Multivariate Selberg Probability Bound in Distributionally
 Robust Optimization with Statistical Applications -- MIP Models and
 Complexity Results for DAG Scheduling in the Cloud -- Machine
 Learning and Optimization -- Clustering-based Graph Neural Networks
 in a Weakly Supervised Regression Problem -- Heterogeneous graph
 neural networks for real-time flow assignment prediction -- A Nash
 Equilibrium Prediction for a Dual Market Economic System Using
 Machine Learning Methods -- Parameter optimization for restarted
 mixed precision iterative sparse solver -- Optimal collapsing levels in
 one-way ANOVA: agglomerative merging algorithms and mixed integer
 linear programming.

Sommario/riassunto

This book LNCS 15681 constitutes the refereed proceedings of the
 24th International Conference on Mathematical Optimization Theory
 and Operations Research, MOTOR 2025, held in Novosibirsk, Russia,
 during July 7–11, 2025. The 27 full papers were carefully reviewed and
 selected from 72 submissions. The proceeding focus on Mathematical
 Programming; Optimal Control; Game Theory; Operations Research and
 Applications; Machine Learning and Optimization. .