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Nota di contenuto	-- A Model for Optimizing Recalculation Schedules to Minimize Regret. -- A Theory of Learning with Competing Objectives and User Feedback. -- Trick Costs for $\alpha\mu$ and New Relatives. -- A Differential Approach for Several NP-hard Optimization Problems. -- On the Computational Complexities of Finding Selected Refutations of Linear Programs. -- Extending the Tractability of the Clique Problem via

Graph Classes Generalizing Treewidth. -- Principled Approaches for Learning to Defer with Multiple Experts. -- On Sample Reuse Methods for Answering k -wise Statistical Queries. -- Neural Diffusion Graph Convolutional Network for Predicting Heat Transfer in Selective Laser Melting. -- New Proportion Measures of Discrimination Based on Natural Direct and Indirect Effects. -- Addressing Discretization Artifacts in Tomography by Accessing and Balancing Pixel Coverage of Projections. -- Finding the Straight Skeleton for 3D Orthogonal Polyhedrons: A Combinatorial Approach. -- Towards a Unifying View on Monotone Constructive Definitions. -- Partial Boolean Functions for QBF Semantics.

Sommario/riassunto

This book constitutes the refereed joint proceedings of the 18th International Symposium on Artificial Intelligence and Mathematics, ISAIM 2024, and the 22nd International Workshop on Combinatorial Image Analysis, IWCIA 2024, held in Fort Lauderdale, FL, USA, during January 8–10, 2024. The 14 full papers presented were carefully reviewed and selected from 25 submissions. The papers cover topics from AI, theoretical computer science, mathematics, medicine, robotics, defense, and security.
