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Soggetti	Computer science Computer science - Mathematics Discrete mathematics Artificial intelligence Computer networks Theory of Computation Mathematics of Computing Discrete Mathematics in Computer Science Symbolic and Algebraic Manipulation Artificial Intelligence Computer Communication Networks
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Nota di contenuto	The Information Extraction Framework of Document Spanners - A Very Informal Survey -- Generalized Distance Polymatrix Games -- Relaxed agreement forests -- On the Computational Complexity of Generalized Common Shape Puzzles -- Fractional Bamboo Trimming and Distributed Windows Scheduling -- New support size bounds and proximity bounds for integer linear programming -- On the Parameterized Complexity of Minus Domination -- Exact and Parameterized Algorithms for Choosability -- Parameterized

Algorithms for Covering by Arithmetic Progressions -- Row-column combination of Dyck words -- Group Testing in Arbitrary Hypergraphs and Related Combinatorial Structures -- On the parameterized complexity of the Perfect Phylogeny problem -- Data reduction for directed feedback vertex set on graphs without long induced cycles -- Visualization of Bipartite Graphs in Limited Window Size -- Outerplanar and Forest Storyplans -- The Complexity of Cluster Vertex Splitting and Company -- Morphing Graph Drawings in the Presence of Point Obstacles -- Word-Representable Graphs from a Word's Perspective -- Removable Online Knapsack with Bounded Size Items -- The Complexity of Online Graph Games -- Faster Winner Determination Algorithms for (Colored) Arc Kayles -- Automata Classes Accepting Languages Whose Commutative Closure is Regular -- Shortest Characteristic Factors of a Deterministic Finite Automaton and Computing Its Positive Position Run by Pattern Set Matching -- Query Learning of Minimal Deterministic Symbolic Finite Automata Separating Regular Languages -- Apportionment with Thresholds: Strategic Campaigns Are Easy in the Top-Choice But Hard in the Second-Chance Mode -- Local Certification of Majority Dynamics -- Complexity of Spherical Equations in Finite Groups -- Positive Characteristic Sets for Relational Pattern Languages -- Algorithms and Turing Kernels for Detecting and Counting Small Patterns in Unit Disk Graphs -- The Weighted HOM-Problem over Fields -- Combinatorics of block-parallel automata networks -- On the piecewise complexity of words and periodic words -- Distance Labeling for Families of Cycles -- On the induced problem for fixed-template CSPs.

Sommario/riassunto

This book constitutes the proceedings of the 49th International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2024, held in Cochem, Germany, in February 2024. The 33 full papers presented in this book were carefully reviewed and selected from 81 submissions. The book also contains one invited talk in full paper length. They focus on original research and challenges in foundations of computer science including algorithms, AI-based methods, computational complexity, and formal models.
