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Disciplina	518
Soggetti	Mathematics—Data processing Computer science—Mathematics Computer science Data structures (Computer science) Information theory Computational Mathematics and Numerical Analysis Mathematics of Computing Theory of Computation Data Structures and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	0-1 Timed Matching in Bipartite Temporal Graphs -- Partitioning cographs into two forests and one independent set -- Monitoring the edges of a graph using distances -- Forbidden structure characterization of graphs having a threshold cover of size two: a simpler proof using the lexicographic method -- Approximating Modular Decomposition is Hard -- Vertex Edge Dominating Set in Unit Disk Graphs -- Geometric Planar Networks on Bichromatic Points -- Algorithmic Aspects of Global Total k-Domination in Graphs -- Hardness and approximation for the geodetic set problem in some graph classes -- Maximum Weighted Edge Biclique Problem on Bipartite Graphs -- Determining Number of Generalized and Double Generalized

Petersen Graph -- Self-centeredness of generalized Petersen Graphs -- Weak Roman Bondage Number of a Graph -- On the geodetic and hull numbers of shadow Graphs -- Indicated coloring of complete expansion and lexicographic product of graphs -- Smallest $C_2 \square K_1$ -critical graphs of odd-girth $2k + 1$ -- Ramsey Numbers for Line Graphs -- On Cartesian products of signed graphs -- List distinguishing number of p th power of hypercube and Cartesian powers of a graph -- On Algebraic Expressions of Two-Terminal Directed Acyclic Graphs -- On the relative oriented clique number of planar graphs -- On the minimum satisfiability problem -- Waiting for Trains: Complexity Results -- Oriented Diameter of Star Graphs -- Gathering over Meeting Nodes of Infinite Grid -- 0-1 Timed Matching in Bipartite Temporal Graphs -- Arbitrary Pattern Formation by Opaque Fat Robots with Lights -- Greedy universal cycle constructions for weak orders -- A New Model in Firefighting Theory -- An Algorithm for Strong Stability in the Student-Project Allocation Problem with Ties -- Overlaying a hypergraph with a graph with bounded maximum degree -- Parameterized Algorithms for Directed Modular Width -- On the Complexity of Spanning Trees with a Small Vertex Cover -- Minimum Conflict free Colouring Parameterized by Treewidth -- Planar projections of graphs -- New Algorithms and Bounds for Halving Pseudolines -- Algorithms for Radon Partitions with Tolerance. .

Sommario/riassunto

This book constitutes the proceedings of the 6th International Conference on Algorithms and Discrete Applied Mathematics, CALDAM 2020, held in Hyderabad, India, in February 2020. The 38 papers presented together with 2 invited talks in this volume were carefully reviewed and selected from 102 submissions. The papers are organized in topical sections on graph algorithms, graph theory, combinatorial optimization, distributed algorithms, combinatorial algorithms, and computational complexity.