

1. Record Nr.	UNINA9910647395603321
Titolo	Algorithms and Discrete Applied Mathematics : 9th International Conference, CALDAM 2023, Gandhinagar, India, February 9–11, 2023, Proceedings / / edited by Amitabha Bagchi, Rahul Muthu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-25211-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (464 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13947
Disciplina	929.605 005.1
Soggetti	Computer science - Mathematics Algorithms Image processing - Digital techniques Computer vision Data structures (Computer science) Information theory Mathematics of Computing Design and Analysis of Algorithms Computer Imaging, Vision, Pattern Recognition and Graphics Data Structures and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Stable Approximation Schemes -- A whirlwind tour of intersection graph enumeration -- Graph modification problems with forbidden minors -- Algorithms & Optimization Efficient reductions and algorithms for Subset Product -- Optimal length cutting plane refutations of integer programs -- Fault-Tolerant Dispersion Resource management in device-to-device communications -- Computational Geometry Algorithms for k-Dispersion for Points in Convex Position in the Plane -- Arbitrary oriented color spanning region for line segments -- Games with a Simple Rectilinear Obstacle in Plane -- Diverse Fair Allocations: Complexity and Algorithms -- Graph Coloring New bounds and constructions for neighbor-locating colorings of graphs -- D K 5-

list coloring toroidal 6-regular triangulations in linear time -- On Locally Identifying Coloring of Graphs -- On Structural Parameterizations of Star Coloring -- Reddy Perfectness of G-generalized join of graphs -- Coloring of a superclass of 2K₂-free graphs -- The Weak (2,2)-Labelling Problem for graphs with forbidden induced structures -- Graph Connectivity Short cycles dictate dichotomy status of the Steiner tree problem on Bisplit graphs -- Some insights on dynamic maintenance of Gomory-Hu tree in cactus graphs and general graphs -- Monitoring edge-geodetic sets in graphs -- Cyclability, Connectivity and Circumference -- Graph Domination On three domination-based identification problems in block graphs -- Graph modification problems with forbidden minors -- Computational Aspects of Double Dominating Sequences in Graph -- Relation between broadcast domination and multipacking numbers on chordal graphs -- Pushing Cops and Robber on Oriented Graphs -- Mind the Gap: Edge Facility Location Problems in Theory and Practice -- Complexity Results on Cosecure Domination in Graphs -- Kusum and Arti Pandey Graph Matching Latin Hexahedra and Related Combinatorial Structures -- Minimum Maximal Acyclic Matching in Proper Interval Graphs -- Graph Partition & Graph Covering Transitivity on subclasses of chordal graphs -- Maximum subgraph problem for 3-regular Knödel graphs and its wirelength -- Covering using Bounded Size Subgraphs -- Axiomatic characterization of the the toll walk function of some graph classes -- Structural Parameterization of Alliance Problems.

Sommario/riassunto

This book constitutes the proceedings of the 9th International Conference on Algorithms and Discrete Applied Mathematics, CALDAM 2023, which was held in Gandhinagar, India, during February 9-11, 2023. The 32 papers presented in this volume were carefully reviewed and selected from 67 submissions. The papers were organized in topical sections named: algorithms and optimization; computational geometry; game theory; graph coloring; graph connectivity; graph domination; graph matching; graph partition and graph covering.
