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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 13179
Disciplina	004.0151
Soggetti	Computer science—Mathematics Algorithms Data structures (Computer science) Information theory Discrete mathematics Mathematics of Computing Data Structures and Information Theory Discrete Mathematics in Computer Science
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	A proof of the Multiplicative 1-2-3 Conjecture -- The geodesic transversal problem on some networks -- Chromatic Bounds for Some Subclasses of $(P_3 \cup P_2)$ -free Graphs -- List homomorphisms to separable signed graphs -- Some position problems for graphs -- Comparability graphs among Cover-Incomparability graphs -- Complexity of Paired Domination in AT-free and Planar Graphs -- The Complexity of Star Colouring in Bounded Degree Graphs and Regular Graphs -- On Conflict-Free Spanning Tree: Algorithms and Complexity -- B0-VPG Representation of AT-free Outerplanar Graphs -- P versus NPC : Steiner tree in convex split graphs -- On cd-coloring of $\{P_5, K_4\}$ -free chordal graphs -- An output-sensitive algorithm for all-pairs shortest paths in directed acyclic graphs -- Covering a Graph with

Densest Subgraphs -- Coresets for (k, ℓ) -Median Clustering under the Fréchet Distance -- Bounds and Algorithms for Geodetic Hulls -- Voronoi Games using Geodesics -- Approximation and parameterized algorithms for balanced connected partition problems -- Algorithms for Online Car-sharing Problem -- Algebraic algorithms for variants of Subset Sum -- Hardness and Approximation Results for Some Variants of Stable Marriage Problem -- On Fair Division with Binary Valuations Respecting Social Networks -- Parameterized Intractability of Defensive Alliance Problem -- On the approximability of path and cycle problems in arc-dependent networks} -- Approximation Algorithms in Graphs with Known Broadcast time of the Base Graph.

Sommario/riassunto

This book constitutes the proceedings of the 8th International Conference on Algorithms and Discrete Applied Mathematics, CALDAM 2022, which was held in Puducherry, India, during February 10-12, 2022. The 24 papers presented in this volume were carefully reviewed and selected from 80 submissions. The papers were organized in topical sections named: graph theory, graph algorithms, computational geometry, algorithms and optimization.
