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Soggetti	Data structures (Computer science) Information theory Algorithms Computer engineering Computer networks Computer science - Mathematics Discrete mathematics Computer graphics Data Structures and Information Theory Design and Analysis of Algorithms Computer Engineering and Networks Symbolic and Algebraic Manipulation Discrete Mathematics in Computer Science Computer Graphics Algorismes Estructures de dades (Informàtica) Congressos Llibres electrònics
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Adjacency Labelling of Planar Graphs (and Beyond) -- Algorithms for Explainable Clustering -- On the Spanning and Routing Ratios of the

Directed 6-Graph -- The Minimum Moving Spanning Tree Problem -- Scheduling with Testing on Multiple Identical Parallel Machines -- Online Makespan Minimization With Budgeted Uncertainty -- Pattern Matching in Doubling Spaces -- Reachability Problems for Transmission Graphs -- On Minimum Generalized Manhattan Connections -- HalftimeHash: Modern Hashing without 64-bit Multipliers or Finite Fields -- Generalized Disk Graphs -- A 4-Approximation of the  $2/3$ -MST -- Dynamic Dictionaries for Multisets and Counting Filters with Constant Time Operations -- The Neighborhood Polynomial of Chordal -- Incomplete Directed Perfect Phylogeny in Linear Time -- Euclidean maximum matchings in the plane-----local to global -- Solving Problems on Generalized Convex Graphs via Mim-Width -- Improved Bounds on the Spanning Ratio of the Theta-5 Graph -- Computing Weighted Subset Transversals in H-Free Graphs -- Computing the Fréchet Distance Between Uncertain Curves in One Dimension -- Finding a Largest-Area Triangle in a Terrain in Near-Linear Time -- Planar Drawings with Few Slopes of Halin Graphs and Nested Pseudotrees -- An APTAS for Bin Packing with Clique-graph Conflicts -- Fast deterministic algorithms for computing all eccentricities in (hyperbolic) Helly graphs -- ANN for time series under the Fréchet distance -- Strictly In-Place Algorithms for Permuting and Inverting -- A Stronger Lower Bound on Parametric Minimum Spanning Trees -- Online bin packing of squares and cubes -- Exploration of k-Edge-Deficient Temporal Graphs -- Parameterized Complexity of Categorical Clustering with Size Constraints -- Graph Pricing With Limited Supply -- Fair Correlation Clustering with Global and Local Guarantees -- Better Distance Labeling for Unweighted Planar Graphs -- How to Catch Marathon Cheaters: New Approximation Algorithms for Tracking Paths -- Algorithms for Radius-Optimally Augmenting Trees in a Metric Space -- Upper and Lower Bounds for Fully Retroactive Graph Problem -- Characterization of Super-stable Matching -- Uniform Embeddings for Robinson Similarity Matrices -- Particle-Based Assembly Using Precise Global Control Independent Sets in Semi-random Hypergraphs -- A Query-Efficient Quantum Algorithm for Maximum Matching on General Graphs -- Support Optimality and Adaptive Cuckoo Filters -- Computing the Union Join and Subset Graph of Acyclic Hypergraphs in Subquadratic Time -- Algorithms for the Line-Constrained Disk Coverage and Related Problems -- A universal cycle for strings with fixed-content (which are also known as multiset permutations) -- Routing on Heavy-Path WSPD-Spanners -- Mapping Multiple Regions to the Grid with Bounded Hausdorff Distance -- Diverse Partitions of Colored Points -- Reverse Shortest Path Problem for Unit-Disk Graphs.

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## Sommario/riassunto

This book constitutes the refereed proceedings of the 17th International Symposium on Algorithms and Data Structures, WADS 2021, held in virtually in August 2021. The 47 full papers, presented together with two invited lectures, were carefully reviewed and selected from a total of 123 submissions. They present original research on the theory, design and application of algorithms and data structures.

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