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		Computer graphics
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	Nota di contenuto	Geometric Spanning Trees Minimizing the Wiener Index -- The Mutual Visibility Problem for Fat Robots -- Faster Algorithms for Cycle Hitting Problems on Disk Graphs -- Tight analysis of the lazy algorithm for open online dial-a-ride -- Online TSP with Known Locations -- Socially Fair Matching: Exact and Approximation Algorithms -- A Parameterized

Approximation Scheme for Generalized Partial Vertex Cover -- Dominator Coloring and CD Coloring in Almost Cluster Graphs -- Tight Approximation Algorithms for Ordered Covering -- Online Minimum Spanning Trees with Weight Predictions -- Compact Distance Oracles with Large Sensitivity and Low Stretch -- Finding Diameter-Reducing Shortcuts in Trees -- Approximating the Smallest k-Enclosing Geodesic Disc in a Simple Polygon -- Online Interval Scheduling with Predictions -- On Length-Sensitive Frechet Similarity -- Hardness of Graph-Structured Algebraic and Symbolic Problems-. Sublinear-Space Streaming Algorithms for Estimating Graph Parameters on Sparse Graphs -- Efficient k-center algorithms for planar points in convex position -- Classification via Two-Way Comparisons (extended abstract) -- Improved Bounds for Discrete Voronoi Games -- General Space-Time Tradeoffs via Relational Queries -- Approximate Minimum Sum Colorings and Maximum k-Colorable Subgraphs of Chordal Graphs -- Differentially Private Range Query on Shortest Paths -- Revisiting Graph Persistence for Updates and Efficiency -- Block Crossings in One-Sided Tanglegrams -- Observation Routes and External Watchman Routes -- Lower Bounds for Non-Adaptive Shortest Path Relaxation -- Shortest coordinated motion for square robots -- Linear Layouts of Bipartite Planar Graphs -- Adaptive Data Structures for 2D Dominance Colored Range Counting -- Zip-zip Trees: Making Zip Trees More Balanced, Biased, Compact, or Persistent -- External-Memory Sorting with Comparison Errors -- Verifying the Product of Generalized Boolean Matrix Multiplication and Its Applications to Detect Small Subgraphs -- Reconfiguration of Time-Respecting Arborescences -- Algorithmic Theory of Qubit Routing -- 3-Coloring C4 or C3-free Diameter Two Graphs -- Colored Constrained Spanning Tree on Directed Graphs -- Geometric Hitting Set for Line-Constrained Disks -- An ETH-Tight Algorithm for Bidirected Steiner Connectivity -- From Curves to Words and Back Again: Geometric Computation of Minimum-Area Homotopy -- Fully dynamic clustering and diversity maximization in doubling metrics -- Quick Minimization of Tardy Processing Time on a Single Machine -- Space-Efficient Functional Offline-Partially-Persistent Trees with Applications to Planar Point Location -- Approximating the discrete center line segment in linear time -- Density Approximation for Moving Groups -- Dynamic Convex Hulls under Window-Sliding Updates -- Realizability Makes a Difference: A Complexity Gap for Sink-Finding in USOs.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 18th International Symposium on Algorithms and Data Structures, WADS 2023, held during July 31-August 2, 2023. The 47 regular papers, presented in this book, were carefully reviewed and selected from a total of 92 submissions. They present original research on the theory, design and application of algorithms and data structures. |