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Classificazione	DAT 537f MAT 055f SS 4800
Disciplina	004.015115
Soggetti	Algorithms Computer science - Mathematics Discrete mathematics Numerical analysis Artificial intelligence - Data processing Computer graphics Discrete Mathematics in Computer Science Numerical Analysis Data Science Computer Graphics
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Note generali	Proceedings of the "34th International Workshop, WG 2008, Durham, UK, June 30-July 2, 2008".
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Contributions -- (Un)-Stable Routing in the Internet: A Survey from the Algorithmic Perspective -- Memory Efficient Anonymous Graph Exploration -- Algorithmic Meta Theorems -- Regular Papers -- A Most General Edge Elimination Polynomial -- Approximating the Metric TSP in Linear Time -- The Valve Location Problem in Simple Network Topologies -- A 3/2-Approximation Algorithm for Finding Spanning Trees with Many Leaves in Cubic Graphs -- On the Pseudo-achromatic Number Problem -- Making Role Assignment Feasible: A

Polynomial-Time Algorithm for Computing Ecological Colorings --  
 Faster Exact Bandwidth -- Additive Spanners for Circle Graphs and  
 Polygonal Graphs -- Upward Straight-Line Embeddings of Directed  
 Graphs into Point Sets -- Complexity of the Packing Coloring Problem  
 for Trees -- Characterizations of Restricted Pairs of Planar Graphs  
 Allowing Simultaneous Embedding with Fixed Edges -- A Lower Bound  
 on the Area Requirements of Series-Parallel Graphs -- On Independent  
 Sets and Bicliques in Graphs -- Evaluations of Graph Polynomials --  
 Parameterized Complexity for Domination Problems on Degenerate  
 Graphs -- An Algorithm for Finding Input-Output Constrained Convex  
 Sets in an Acyclic Digraph -- Cutwidth of Split Graphs, Threshold  
 Graphs, and Proper Interval Graphs -- The Rank-Width of the Square  
 Grid -- Improved Upper Bounds for Partial Vertex Cover -- On the  
 Expressive Power of CNF Formulas of Bounded Tree- and Clique-Width  
 -- Planar Feedback Vertex Set and Face Cover: Combinatorial Bounds  
 and Subexponential Algorithms -- What Is between Chordal and Weakly  
 Chordal Graphs? -- Parameterized Graph Cleaning Problems -- Traffic  
 Grooming in Unidirectional WDM Rings with Bounded Degree Request  
 Graph -- Fast Robber in Planar Graphs -- From a Circular-Arc Model to  
 a Proper Circular-Arc Model -- DigraphDecompositions and  
 Monotonicity in Digraph Searching -- Searching for a Visible, Lazy  
 Fugitive -- A Faster Shortest-Paths Algorithm for Minor-Closed Graph  
 Classes -- Local Construction and Coloring of Spanners of Location  
 Aware Unit Disk Graphs.

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Sommario/riassunto

This book constitutes the thoroughly refereed post-conference  
 proceedings of the 34th International Workshop on Graph-Theoretic  
 Concepts in Computer Science, WG 2008, held in Durham, UK, in  
 June/July 2008. The 30 revised full papers presented together with 3  
 invited paper were carefully reviewed and selected from 76  
 submissions. The papers feature original results on all aspects of  
 graph-theoretic concepts in Computer Science, e.g. structural graph  
 theory, sequential, parallel, and distributed graph and network  
 algorithms and their complexity, graph grammars and graph rewriting  
 systems, graph-based modeling, graph-drawing and layout, diagram  
 methods, and support of these concepts by suitable implementations.

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