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Nota di contenuto	Account on Intervals -- Constructing Resilient Structures in Graphs: Rigid vs. Competitive Fault-Tolerance -- Alternating Reachability and Integer Sum of Closed Alternating Trails: The 3rd Annual Uri N. Peled Memorial Lecture -- Triangulation and Clique Separator Decomposition of Claw-Free Graphs -- Minimum Weighted Clique Cover on Strip-Composed Perfect Graphs -- Graph Isomorphism for Graph Classes Characterized by Two Forbidden Induced Subgraphs -- h-Quasi Planar Drawings of Bounded Treewidth Graphs in Linear Area -- The Duals of Upward Planar Graphs on Cylinders -- On the Minimum Degree Up to Local Complementation: Bounds and Complexity -- Bisections above Tight Lower Bounds -- Multi-rooted Greedy Approximation of Directed Steiner Trees with Applications -- Hydras: Directed Hypergraphs and

Horn Formulas -- Bend-Bounded Path Intersection Graphs: Sausages, Noodles, and Waffles on a Grill -- Maximum Induced Multicliques and Complete Multipartite Subgraphs in Polygon-Circle Graphs and Circle Graphs -- Parameterized Domination in Circle Graphs -- On the Parameterized Complexity of Finding Separators with Non-hereditary Properties.

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Sommario/riassunto

This book constitutes the thoroughly refereed proceedings of the 38th International Workshop on Graph Theoretic Concepts in Computer Science (WG 2012) held in Jerusalem, Israel on June 26-28, 2012. The 29 revised full papers presented were carefully selected and reviewed from 78 submissions. The papers are solicited describing original results on all aspects of graph-theoretic concepts in Computer Science, e.g. structural graph theory, sequential, parallel, randomized, parameterized, and distributed graph and network algorithms and their complexity, graph grammars and graph rewriting systems, graph-based modeling, graph-drawing and layout, random graphs, diagram methods, and support of these concepts by suitable implementations. The scope of WG includes all applications of graph-theoretic concepts in Computer Science, including data structures, data bases, programming languages, computational geometry, tools for software construction, communications, computing on the web, models of the web and scale-free networks, mobile computing, concurrency, computer architectures, VLSI, artificial intelligence, graphics, CAD, operations research, and pattern recognition.

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