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Titolo	Graph-Theoretic Concepts in Computer Science : 22nd International Workshop, WG '96, Cadenabbia, Italy, June 12-14, 1996, Proceedings / / edited by Fabrizio D'Amore, Paolo Giulio Franciosa, Alberto Marchetti-Spaccamela
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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1197
Disciplina	004.0151
Soggetti	Computers Applied mathematics Engineering mathematics Algorithms Data structures (Computer science) Computer graphics Theory of Computation Applications of Mathematics Algorithm Analysis and Problem Complexity Computation by Abstract Devices Data Structures Computer Graphics
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Hypergraphs and decision trees -- Improved approximations of independent dominating set in bounded degree graphs -- A new characterization of P 4-connected graphs -- Node rewriting in hypergraphs -- On ?-partitioning the n-cube -- Embedding complete binary trees in product graphs -- Clique and anticlique partitions of graphs -- Optimal parallel routing in star graphs -- Counting edges in a dag -- Closure properties of context-free Hyperedge Replacement Systems -- Upward drawings of search trees -- More general parallel

tree contraction: Register allocation and broadcasting in a tree -- System diagnosis with smallest risk of error -- Efficient algorithms for shortest path queries in planar digraphs -- LexBFS-orderings and powers of graphs -- Efficient Union-Find for planar graphs and other sparse graph classes -- Switchbox routing in VLSI design: Closing the complexity gap -- Detecting diamond necklaces in labeled dags -- Algebraic graph derivations for graphical calculi -- Definability equals recognizability of partial 3-trees -- One, two, three, many, or: Complexity aspects of dynamic network flows with dedicated arcs -- Approximate maxima finding of continuous functions under restricted budget (Extended abstract) -- The Optimal Cost Chromatic Partition problem for trees and interval graphs -- Modifying networks to obtain low cost trees -- On the hardness of allocating frequencies for hybrid networks -- Homogeneous sets and domination problems -- Independent spanning trees of product graphs -- Designing distance-preserving fault-tolerant topologies -- Shortest path algorithms for nearly acyclic directed graphs -- Computing disjoint paths with length constraints -- Generalized edge-rankings of trees.

Sommario/riassunto

This book constitutes the carefully refereed post-proceedings of the 22nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG '96, held in Cadenabbia, Italy, in June 1996. The 30 revised full papers presented in the volume were selected from a total of 65 submissions. This collection documents the state of the art in the area. Among the topics addressed are graph algorithms, graph rewriting, hypergraphs, graph drawing, networking, approximation and optimization, trees, graph computation, and others.
