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	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 distrance-
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. |