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Descrizione fisica	1 online resource (X, 426 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1120
Disciplina	004/.01/5116
Soggetti	Discrete mathematics Computers Computer communication systems Combinatorics Numerical analysis Computer programming Discrete Mathematics Theory of Computation Computer Communication Networks Numerical Analysis Programming Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Equitable and m-bounded coloring of split graphs -- Four coloring for a subset of maximal planar graphs with minimum degree five -- Enumeration algorithm for the edge coloring problem on bipartite graphs -- On-line recognition of interval graphs in $O(m+n \log n)$ time -- Connected proper interval graphs and the guard problem in spiral polygons -- Weighted connected domination and Steiner trees in distance-hereditary graphs -- On central spanning trees of a graph -- Complete bipartite decompositions of crowns, with applications to complete directed graphs -- Finding an antidirected Hamiltonian path starting with a forward arc from a given vertex of a tournament --

Complementary ?1-graphs and related combinatorial structures -- Double description method revisited -- On skeletons, diameters and volumes of metric polyhedra -- Improving branch and bound for Jobshop scheduling with constraint propagation -- A new efficiently solvable special case of the three-dimensional axial bottleneck assignment problem -- Ramsey numbers by stochastic algorithms with new heuristics -- On the hybrid neural network model for solving optimization problems -- Constructive — non-constructive approximation and maximum independent set problem -- Weakly greedy algorithm and pair-delta-matroids -- On integer multiflows and metric packings in matroids -- Optimum alphabetic binary trees -- Block codes for dyadic phase shift keying -- Zigzag codes and z-free hulls -- Contiguity orders -- Worst-case analysis for on-line data compression -- Gossiping in cayley graphs by packets -- On embedding 2-dimensional toroidal grids into de Bruijn graphs with clocked congestion one -- N-cube string matching algorithm with long texts -- Combinatorics for multiprocessor scheduling optimization and other contexts in computer architecture -- Some applications of combinatorial optimization in parallel computing -- On the parallel complexity of the alternating Hamiltonian cycle problem -- Threshold graphs and synchronization protocols -- Task assignment in distributed systems using network flow methods -- Distributed rerouting in DCS mesh networks.

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#### Sommario/riassunto

This book presents a collection of 33 strictly refereed full papers on combinatorics and computer science; these papers have been selected from the 54 papers accepted for presentation at the joint 8th Franco-Japanese and 4th Franco-Chinese Conference on Combinatorics in Computer Science, CCS '96, held in Brest, France in July 1995. The papers included in the book have been contributed by authors from 10 countries; they are organized in sections entitled graph theory, combinatorial optimization, selected topics, and parallel and distributed computing.

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