

<<Graph-Theoretic Conc>>

图书基本信息

书名：<<Graph-Theoretic Concepts in Computer Science计算机科学中的图论概念>>

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内容概要

This book constitutes the thoroughly refereed post-proceedings of the 30th International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2004, held in Bad Honnef, Germany in June 2004. The 31 revised full papers presented together with 2 invited papers were carefully selected from 66 submissions during two rounds of reviewing and improvement. The papers are organized in topical sections on graph algorithms: trees; graph algorithms: recognition and decomposition; graph algorithms: various problems; optimization and approximation algorithms; parameterized complexity and exponential algorithms; counting, combinatorics, and optimization; applications in bioinformatics and graph drawing; and graph classes and NP-hard problems.

书籍目录

Invited Papers Lexicographic Breadth First Search - A Survey Wireless Networking: Graph Theory
Unplugged Graph Algorithms: Trees Constant Time Generation of Trees with Specified Diameter Treelike
Comparability Graphs: Characterization, Recognition, and Applications Elegant Distance Constrained Labelings
of Trees Collective Tree Spanners and Routing in AT-free Related Graphs Graph Algorithms: Recognition and
Decomposition On the Maximum Cardinality Search Lower Bound for Treewidth Fully-Dynamic Recognition
Algorithm and Certificate for Directed Cographs Recognizing HHD-free and Welsh-Powell Opposition Graphs
Bimodular Decomposition of Bipartite Graphs Coloring a Graph Using Split Decomposition Graph Algorithms:
Various Problems Decremental Clique Problem A Symbolic Approach to the All-Pairs Shortest-Paths Problem
Minimal de Bruijn Sequence in a Language with Forbidden Substrings A Graph-Theoretic Generalization of the
Least Common Subsumer and the Most Specific Concept in the Description Logic CLOptimization and
Approximation Algorithms The Computational Complexity of the Minimum Weight Processor Assignment
Problem A Stochastic Location Problem with Applications to Tele-diagnostic A Robust PTAS for Maximum
Weight Independent Sets in Unit Disk Graphs Tolerance Based Algorithms for the ATSP Parameterized
Complexity and Exponential Algorithms Finding k Disjoint Triangles in an Arbitrary Graph Exact (Exponential)
Algorithms for the Dominating Set Problem Linear Kernels in Linear Time, or How to Save k Colors in $O(n^2)$
Steps Counting, Combinatorics, and Optimization Planar Graphs, via Well-Orderly Maps and Trees ...
...Applications (Biology, Graph Drawing) Graph Classes and NP Hardness Author Index

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