Record Nr.	UNINA9910768437903321
Titolo	Graph-Theoretic Concepts in Computer Science : 29th International Workshop, WG 2003, Elspeet, The Netherlands, June 19-21, 2003, Revised Papers / / edited by Hans L. Bodlaender
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	3-540-39890-2
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (XII, 392 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2880
Disciplina	511.6
Soggetti	Computers
	Computer simulation
	Algorithms
	Data structures (Computer science)
	Numerical analysis
	Theory of Computation
	Simulation and Modeling
	Algorithm Analysis and Problem Complexity
	Data Structures
	Numeric Computing
	Discrete Mathematics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Lecture Blow-Ups, Win/Win's, and Crown Rules: Some New Directions in FPT Matching, Edge-Colouring, and Dimers Regular Papers Minimum Flow Time Graph Ordering Searching Is Not Jumping Incremental Integration Tools for Chemical Engineering: An Industrial Application of Triple Graph Grammars The Minimum Degree Heuristic and the Minimal Triangulation Process Generalized Parametric Multi-terminal Flows Problem Canonical Decomposition of Outerplanar Maps and Application to Enumeration, Coding, and Generation The Complexity of the Matching-Cut Problem for Planar

1.

	Graphs and Other Graph Classes Tree Spanners for Bipartite Graphs and Probe Interval Graphs A Simple Linear Time LexBFS Cograph Recognition Algorithm Backbone Colorings for Networks Greedy Edge-Disjoint Paths in Complete Graphs Graph-Based Approaches to Software Watermarking Completely Connected Clustered Graphs An FPT Algorithm for Set Splitting Drawing Planar Graphs on a Curve Tree-Partitions of k-Trees with Applications in Graph Layout Resource Allocation Problems in Multifiber WDM Tree Networks An Improved Upper Bound on the Crossing Number of the Hypercube NCE Graph Grammars and Clique-Width Chordal Probe Graphs Subgraph Induced Planar Connectivity Augmentation On the Recognition of General Partition Graphs Short Cycles in Planar Graphs Complexity of Hypergraph Coloring and Seidel's Switching Feedback Vertex Set and Longest Induced Path on AT-Free Graphs The Complexity of Graph Contractions Tree Spanners, Cayley Graphs, and Diametrically Uniform Graphs The Probabilistic Minimum Coloring Problem Recognizing Bipolarizable and P 4- Simplicial Graphs Coloring Powers of Graphs of Bounded Clique- Width Erratum Erratum: Cycles in Generalized Networks.
Sommario/riassunto	The 29th International Workshop on Graph-Theoretic Concepts in Computer Science(WG2003) washeldintheMennorodeconferenceCenterinElspeet,The Netherlands. TheworkshopwasorganizedbytheCenterforAlgorithmicSystems of the Institute of Information and Computing Sciences of Utrecht University. The workshop took place June 19–21, 2003. The 72 participants of WG 2003 came from universities and research institutes from 18 di?erent countries and ?ve di?erent continents. The workshop looks back at a long tradition. It was ?rst held in 1975, and has been held 20 times in Germany, twice in Austria, and once in Italy, Slo- kia, Switzerland, and the Czech Republic, and has now been held for the third time in The Netherlands. The workshop aims at uniting theory and practice by demonstrating how graph-theoretic concepts can be applied to various areas in computerscience,orbyextractingnewproblemsfromapplications. Itisdevoted to the theoretical and practical aspects of graph concepts in computer science. The goal is to present recent research results and to identify and explore - rections of future research. The talks given at the workshop showed how recent research results from algorithmic graph theory can be used in computer science and which graph-theoretic questions arise from new developments in computer science.