

Table of Contents

Maximum Cardinality Search for Computing Minimal Triangulations	1
<i>Anne Berry, Jean R.S. Blair, and Pinar Heggernes</i>	
DNA Sequencing, Eulerian Graphs, and the Exact Perfect Matching Problem	13
<i>Jacek Błażewicz, Piotr Formanowicz, Marta Kaspzrak, Petra Schuurman, and Gerhard J. Woeginger</i>	
On the Minimum Size of a Contraction-Universal Tree	25
<i>Olivier Bodini</i>	
Optimal Area Algorithm for Planar Polyline Drawings	35
<i>Nicolas Bonichon, Bertrand Le Saëc, and Mohamed Mosbah</i>	
Cycles in Generalized Networks	47
<i>Franz J. Brandenburg</i>	
New Graph Classes of Bounded Clique-Width	57
<i>Andreas Brandstädt, Feodor F. Dragan, Hoàng-Oanh Le, and Raffaele Mosca</i>	
More about Subcolorings	68
<i>Hajo Broersma, Fedor V. Fomin, Jaroslav Nešetřil, and Gerhard J. Woeginger</i>	
Search in Indecomposable Graphs	80
<i>Alain Cournier</i>	
On the Complexity of (k, l) -Graph Sandwich Problems	92
<i>Simone Dantas, Celina M.H. de Figueiredo, and Luerbio Faria</i>	
Algorithms and Models for the On-Line Vertex-Covering	102
<i>Marc Demange and Vangelis Th. Paschos</i>	
Weighted Node Coloring: When Stable Sets Are Expensive	114
<i>Marc Demange, D. de Werra, J. Monnot, and Vangelis Th. Paschos</i>	
The Complexity of Restrictive H -Coloring	126
<i>Josep Díaz, Maria Serna, and Dimitrios M. Thilikos</i>	
A New 3-Color Criterion for Planar Graphs	138
<i>Krzysztof Diks, Lukasz Kowalik, and Maciej Kurowski</i>	
An Additive Stretched Routing Scheme for Chordal Graphs	150
<i>Yon Dourisboure</i>	

Complexity of Pattern Coloring of Cycle Systems	164
<i>Zdeněk Dvořák, Jan Kára, Daniel Král', and Ondřej Pangrác</i>	
Safe Reduction Rules for Weighted Treewidth	176
<i>Frank van den Eijkhof and Hans L. Bodlaender</i>	
Graph Separator Algorithms: A Refined Analysis	186
<i>Henning Fernau</i>	
Generalized H -Coloring and H -Covering of Trees	198
<i>Jiří Fiala, Pinar Heggernes, Petter Kristiansen, and Jan Arne Telle</i>	
The Complexity of Approximating the Oriented Diameter of Chordal Graphs	211
<i>Fedor V. Fomin, Martín Matamala, and Ivan Rapaport</i>	
Radiocolorings in Periodic Planar Graphs: PSPACE-Completeness and Efficient Approximations for the Optimal Range of Frequencies	223
<i>D.A. Fotakis, S.E. Nikolettseas, V.G. Papadopoulos, P.G. Spirakis</i>	
Completely Independent Spanning Trees in Maximal Planar Graphs	235
<i>Toru Hasunuma</i>	
Facets of the Directed Acyclic Graph Layering Polytope	246
<i>Patrick Healy and Nikola S. Nikolov</i>	
Recognizing When Heuristics Can Approximate Minimum Vertex Covers Is Complete for Parallel Access to NP	258
<i>Edith Hemaspaandra, Jörg Rothe, and Holger Spakowski</i>	
Complexity of Some Infinite Games Played on Finite Graphs	270
<i>Hajime Ishihara and Bakhadyr Khoussainov</i>	
New Algorithms for k -Face Cover, k -Feedback Vertex Set, and k -Disjoint Cycles on Plane and Planar Graphs	282
<i>Ton Kloks, C.M. Lee, and Jiping Liu</i>	
A Multi-scale Algorithm for the Linear Arrangement Problem	296
<i>Yehuda Koren and David Harel</i>	
On the b -Chromatic Number of Graphs	310
<i>Jan Kratochvíl, Zsolt Tuza, and Margit Voigt</i>	
Budgeted Maximum Graph Coverage	321
<i>Sven Oliver Krumke, Madhav V. Marathe, Diana Poensgen, S.S. Ravi, and Hans-Christoph Wirth</i>	
Online Call Admission in Optical Networks with Larger Demands	333
<i>Sven Oliver Krumke and Diana Poensgen</i>	

The Forest Wrapping Problem on Outerplanar Graphs	345
<i>Isabella Lari, Federica Ricca, and Andrea Scozzari</i>	
On the Recognition of P_4 -Comparability Graphs	355
<i>Stavros D. Nikolopoulos and Leonidas Palios</i>	
Bend-Minimum Orthogonal Drawings of Plane 3-Graphs	367
<i>Md. Saidur Rahman and Takao Nishizeki</i>	
Cluster Graph Modification Problems	379
<i>Ron Shamir, Roded Sharan, and Dekel Tsur</i>	
Two Counterexamples in Graph Drawing	391
<i>O. Sýkora, L.A. Székely, and I. Vrtó</i>	
Connected and Loosely Connected List Homomorphisms	399
<i>Narayan Vikas</i>	
Any Load-Balancing Regimen for Evolving Tree Computations on Circulant Graphs Is Asymptotically Optimal	413
<i>Rolf Wanka</i>	
Author Index	421

Graph-Theoretic Concepts in Computer Science
28th International Workshop, WG 2002, Cesky Krumlov,
Czech Republic, June 13-15, 2002, Revised Papers
Kucera, L. (Ed.)
2002, XI, 422 p., Softcover
ISBN: 978-3-540-00331-1