

Contents

Speeding Up Cover Time of Sparse Graphs Using Local Knowledge.	1
<i>Mohammed Amin Abdullah, Colin Cooper, and Moez Draief</i>	
Minimum Activation Cost Edge-Disjoint Paths in Graphs with Bounded Tree-Width	13
<i>Hasna Mohsen Alqahtani and Thomas Erlebach</i>	
A Fast Scaling Algorithm for the Weighted Triangle-Free 2-Matching Problem.	25
<i>Stepan Artamonov and Maxim Babenko</i>	
1-Page and 2-Page Drawings with Bounded Number of Crossings per Edge	38
<i>Carla Binucci, Emilio Di Giacomo, Md. Iqbal Hossain, and Giuseppe Liotta</i>	
Longest Common Extensions in Partial Words	52
<i>Francine Blanchet-Sadri, Rachel Harred, and Justin Lazarow</i>	
Adding Isolated Vertices Makes Some Online Algorithms Optimal	65
<i>Joan Boyar and Christian Kudahl</i>	
Gray Codes for AT-Free Orders via Antimatroids	77
<i>Jou-Ming Chang, Ton Kloks, and Hung-Lung Wang</i>	
Enumerating Cyclic Orientations of a Graph.	88
<i>Alessio Conte, Roberto Grossi, Andrea Marino, and Romeo Rizzi</i>	
Filling the Complexity Gaps for Colouring Planar and Bounded Degree Graphs	100
<i>Konrad K. Dabrowski, François Dross, Matthew Johnson, and Daniël Paulusma</i>	
Combinatorial Properties of Full-Flag Johnson Graphs.	112
<i>Irving Dai</i>	
List Colouring and Partial List Colouring of Graphs On-line	124
<i>Martin Derka, Alejandro López-Ortiz, and Daniela Maftuleac</i>	
About Ungatherability of Oblivious and Asynchronous Robots on Anonymous Rings	136
<i>Gabriele Di Stefano, Pietro Montanari, and Alfredo Navarra</i>	

Dynamic Subtrees Queries Revisited: The Depth First Tour Tree	148
<i>Gabriele Farina and Luigi Laura</i>	
Schröder Partitions and Schröder Tableaux.	161
<i>Luca Ferrari</i>	
Algorithmic Aspects of the S -Labeling Problem	173
<i>Guillaume Fertin, Irena Rusu, and Stéphane Vialette</i>	
Contagious Sets in Dense Graphs	185
<i>Daniel Freund, Matthias Poloczek, and Daniel Reichman</i>	
Solving the Tree Containment Problem for Genetically Stable Networks in Quadratic Time.	197
<i>Philippe Gambette, Andreas D.M. Gunawan, Anthony Labarre, Stéphane Vialette, and Louxin Zhang</i>	
On the Complexity of Rainbow Coloring Problems.	209
<i>Eduard Eiben, Robert Ganian, and Juho Lauri</i>	
How to Design Graphs with Low Forwarding Index and Limited Number of Edges	221
<i>Frédéric Giroire, Stéphane Pérennes, and Issam Tahiri</i>	
Enumeration and Maximum Number of Minimal Connected Vertex Covers in Graphs.	235
<i>Petr A. Golovach, Pinar Heggernes, and Dieter Kratsch</i>	
Fast Multiple Order-Preserving Matching Algorithms.	248
<i>Myoungji Han, Munseong Kang, Sukhyeun Cho, Geonmo Gu, Jeong Seop Sim, and Kunsoo Park</i>	
Minimum Degree Conditions and Optimal Graphs for Completely Independent Spanning Trees.	260
<i>Toru Hasunuma</i>	
A Faster FPTAS for the Unbounded Knapsack Problem.	274
<i>Klaus Jansen and Stefan E.J. Kraft</i>	
Computational Complexity of Distance Edge Labeling.	287
<i>Dušan Knop and Tomáš Masařík</i>	
1.5-Approximation Algorithm for the 2-Convex Recoloring Problem.	299
<i>Reuven Bar-Yehuda, Gilad Kutiel, and Dror Rawitz</i>	
Computing the BWT and the LCP Array in Constant Space.	312
<i>Felipe A. Louza and Guilherme P. Telles</i>	

EERTREE: An Efficient Data Structure for Processing Palindromes in Strings	321
<i>Mikhail Rubinchik and Arseny M. Shur</i>	
On the Zero Forcing Number of Bijection Graphs	334
<i>Denys Shcherbak, Gerold Jäger, and Lars-Daniel Öhman</i>	
The k -Leaf Spanning Tree Problem Admits a Klam Value of 39	346
<i>Meirav Zehavi</i>	
Author Index	359

Combinatorial Algorithms

26th International Workshop, IWOCA 2015, Verona,
Italy, October 5-7, 2015, Revised Selected Papers

Lipták, Z.; Smyth, W.F. (Eds.)

2016, XIX, 360 p. 62 illus. in color., Softcover

ISBN: 978-3-319-29515-2