

Table of Contents

The Complexity of Satisfaction on Sparse Graphs (Invited Talk) <i>Anuj Dawar</i>	1
Protrusions in Graphs and Their Applications (Invited Talk) <i>Fedor V. Fomin</i>	3
Parameterized Complexity Results in Symmetry Breaking (Invited Talk) <i>Toby Walsh</i>	4
On the Kernelization Complexity of Colorful Motifs <i>Abhimanyu M. Ambalath, Radheshyam Balasundaram, Chintan Rao H., Venkata Koppula, Neeldhara Misra, Geevarghese Philip, and M.S. Ramanujan</i>	14
Partial Kernelization for Rank Aggregation: Theory and Experiments. <i>Nadja Betzler, Robert Bredebeck, and Rolf Niedermeier</i>	26
Enumerate and Measure: Improving Parameter Budget Management ... <i>Daniel Binkele-Raible and Henning Fernau</i>	38
On the Exact Complexity of Evaluating Quantified k -CNF <i>Chris Calabro, Russell Impagliazzo, and Ramamohan Paturi</i>	50
Cluster Editing: Kernelization Based on Edge Cuts. <i>Yixin Cao and Jianer Chen</i>	60
Computing the Deficiency of Housing Markets with Duplicate Houses... <i>Katarína Cechlárová and Ildikó Schlotter</i>	72
A New Lower Bound on the Maximum Number of Satisfied Clauses in Max-SAT and Its Algorithmic Application <i>Robert Crowston, Gregory Gutin, Mark Jones, and Anders Yeo</i>	84
An Improved FPT Algorithm and Quadratic Kernel for Pathwidth One Vertex Deletion <i>Marek Cygan, Marcin Pilipczuk, Michał Pilipczuk, and Jakub Onufry Wojtaszczyk</i>	95
Multivariate Complexity Analysis of Swap Bribery <i>Britta Dorn and Ildikó Schlotter</i>	107
Parameterizing by the Number of Numbers. <i>Michael R. Fellows, Serge Gaspers, and Frances A. Rosamond</i>	123

Are There Any Good Digraph Width Measures?	135
<i>Robert Ganian, Petr Hliněný, Joachim Kneis, Daniel Meister, Jan Obdržálek, Peter Rossmanith, and Somnath Sikdar</i>	
On the (Non-)existence of Polynomial Kernels for P_t -free Edge Modification Problems	147
<i>Sylvain Guillemot, Christophe Paul, and Anthony Perez</i>	
Parameterized Complexity Results for General Factors in Bipartite Graphs with an Application to Constraint Programming	158
<i>Gregory Gutin, Eun Jung Kim, Arezou Soleimanfallah, Stefan Szeider, and Anders Yeo</i>	
On the Grundy Number of a Graph	170
<i>Frédéric Havet and Leonardo Sampaio</i>	
Exponential Time Complexity of Weighted Counting of Independent Sets	180
<i>Christian Hoffmann</i>	
The Exponential Time Complexity of Computing the Probability That a Graph Is Connected	192
<i>Thore Husfeldt and Nina Taslaman</i>	
Inclusion/Exclusion Branching for Partial Dominating Set and Set Splitting	204
<i>Jesper Nederlof and Johan M.M. van Rooij</i>	
Small Vertex Cover Makes Petri Net Coverability and Boundedness Easier	216
<i>M. Praveen</i>	
Proper Interval Vertex Deletion	228
<i>Yngve Villanger</i>	
Author Index	239