

References

- [1] Isolde Adler, Frederic Dorn, Fedor V. Fomin, Ignasi Sau, and Dimitrios M. Thilikos. Fast minor testing in planar graphs. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 97–109. Springer-Verlag, Berlin-Heidelberg, 2010.
- [2] Pankaj K. Agarwal, Jeff M. Phillips, and Hai Yu. Stability of ϵ -kernels. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 487–499. Springer-Verlag, Berlin-Heidelberg, 2010.
- [3] Elliot Anshelevich and Martin Hoefer. Contribution games in social networks. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 158–169. Springer-Verlag, Berlin-Heidelberg, 2010.
- [4] Sunil Arya, Guilherme D. da Fonseca, and David M. Mount. A unified approach to approximate proximity searching. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 374–385. Springer-Verlag, Berlin-Heidelberg, 2010.
- [5] Sang Won Bae, Matias Korman, and Yoshio Okamoto. The geodesic diameter of polygonal domains. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 500–511. Springer-Verlag, Berlin-Heidelberg, 2010.
- [6] Bahman Bahmani and Michael Kapralov. Improved bounds for on-line stochastic matching. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 170–181. Springer-Verlag, Berlin-Heidelberg, 2010.

- [7] Reuven Bar-Yehuda, Danny Hermelin, and Dror Rawitz. Minimum vertex cover in rectangle graphs. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 255–266. Springer-Verlag, Berlin-Heidelberg, 2010.
- [8] Hannah Bast, Erik Carlsson, Arno Eigenwillig, Robert Geisberger, Chris Harrelson, Veselin Raychev, and Fabien Viger. Fast routing in very large public transportation networks using transfer patterns. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 290–301. Springer-Verlag, Berlin-Heidelberg, 2010.
- [9] Djamel Belazzougui, Paolo Boldi, Rasmus Pagh, and Sebastiano Vigna. Fast prefix search in little space, with applications. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 427–438. Springer-Verlag, Berlin-Heidelberg, 2010.
- [10] Paul Bendich, Herbert Edelsbrunner, Dmitriy Morozov, and Amit Patel. The robustness of level sets. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 1–10. Springer-Verlag, Berlin-Heidelberg, 2010.
- [11] Petra Berenbrink, Robert Elsässer, and Thomas Sauerwald. Communication complexity of quasirandom rumor spreading. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 134–145. Springer-Verlag, Berlin-Heidelberg, 2010.
- [12] Kevin Buchin, Maike Buchin, Marc van Kreveld, Maarten Löffler, Rodrigo I. Silveira, Carola Wenk, and Lionov Wiratma. Median trajectories. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 463–474. Springer-Verlag, Berlin-Heidelberg, 2010.

- [13] Kevin Buchin and André Schulz. On the number of spanning trees a planar graph can have. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 110–121. Springer-Verlag, Berlin-Heidelberg, 2010.
- [14] Christina Büsing and Jens Maue. Robust algorithms for sorting railway cars. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 350–361. Springer-Verlag, Berlin-Heidelberg, 2010.
- [15] Sze-Hang Chan, Tak-Wah Lam, and Lap-Kei Lee. Non-clairvoyant speed scaling for weighted flow time. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 23–35. Springer-Verlag, Berlin-Heidelberg, 2010.
- [16] Shiri Chechnik, Michael Langberg, David Peleg, and Liam Roditty. f -sensitivity distance oracles and routing schemes. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 84–96. Springer-Verlag, Berlin-Heidelberg, 2010.
- [17] Kuan-Yu Chen and Kun-Mao Chao. A fully compressed algorithm for computing the edit distance of run-length encoded strings. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 415–426. Springer-Verlag, Berlin-Heidelberg, 2010.
- [18] Marek Chrobak, Gerhard J. Woeginger, Kazuhisa Makino, and Haifeng Xu. Caching is hard — even in the fault model. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 195–206. Springer-Verlag, Berlin-Heidelberg, 2010.

- [19] Ferdinando Cicalese and Ugo Vaccaro. Superselectors: Efficient constructions and applications. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 207–218. Springer-Verlag, Berlin-Heidelberg, 2010.
- [20] Graham Cormode, Michael Mitzenmacher, and Justin Thaler. Streaming graph computations with a helpful advisor. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 231–242. Springer-Verlag, Berlin-Heidelberg, 2010.
- [21] Pierluigi Crescenzi, Roberto Grossi, Claudio Imbrenda, Leonardo LANZI, and Andrea Marino. Finding the diameter in real-world graphs: Experimentally turning a lower bound into an upper bound. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 302–313. Springer-Verlag, Berlin-Heidelberg, 2010.
- [22] Marek Cygan, Lukasz Kowalik, Marcin Mucha, Marcin Pilipczuk, and Piotr Sankowski. Fast approximation in subspaces by doubling metric decomposition. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 72–83. Springer-Verlag, Berlin-Heidelberg, 2010.
- [23] Artur Czumaj. Local graph exploration and fast property testing. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 410–414. Springer-Verlag, Berlin-Heidelberg, 2010.
- [24] Abhimanyu Das and David Kempe. Estimating the average of a Lipschitz-continuous function from one sample. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 219–230. Springer-Verlag, Berlin-Heidelberg, 2010.

- [25] Matthew T. Dickerson, David Eppstein, and Michael T. Goodrich. Cloning voronoi diagrams via retroactive data structures. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 362–373. Springer-Verlag, Berlin-Heidelberg, 2010.
- [26] Friedrich Eisenbrand, Karthikeyan Kesavan, Raju S. Mattikalli, Martin Niemeier, Arnold W. Nordsieck, Martin Skutella, José Verschae, and Andreas Wiese. Solving an avionics real-time scheduling problem by advanced ip-methods. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 11–22. Springer-Verlag, Berlin-Heidelberg, 2010.
- [27] Jon Feldman, Monika Henzinger, Nitish Korula, Vahab S. Mirrokni, and Cliff Stein. Online stochastic packing applied to display ad allocation. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 182–194. Springer-Verlag, Berlin-Heidelberg, 2010.
- [28] Sorelle A. Friedler and David M. Mount. Spatio-temporal range searching over compressed kinetic sensor data. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 386–397. Springer-Verlag, Berlin-Heidelberg, 2010.
- [29] Hiroshi Fujiwara and Tobias Jacobs. On the huffman and alphabetic tree problem with general cost functions. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 439–450. Springer-Verlag, Berlin-Heidelberg, 2010.
- [30] Laura Galli and Sebastian Stiller. Strong formulations for the multi-module pesp and a quadratic algorithm for graphical diophantine equation systems. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part*

- I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 338–349. Springer-Verlag, Berlin-Heidelberg, 2010.
- [31] Serge Gaspers and Matthias Mnich. Feedback vertex sets in tournaments. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 267–277. Springer-Verlag, Berlin-Heidelberg, 2010.
- [32] Matt Gibson and Imran A. Pirwani. Algorithms for dominating set in disk graphs: Breaking the $\log n$ barrier. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 243–254. Springer-Verlag, Berlin-Heidelberg, 2010.
- [33] Joachim Giesen, Martin Jaggi, and Sören Laue. Approximating parameterized convex optimization problems. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 524–535. Springer-Verlag, Berlin-Heidelberg, 2010.
- [34] Fabrizio Grandoni and Rico Zenklusen. Approximation schemes for multi-budgeted independence systems. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 536–548. Springer-Verlag, Berlin-Heidelberg, 2010.
- [35] Gregory Gutin, Leo van Iersel, Matthias Mnich, and Anders Yeo. All ternary permutation constraint satisfaction problems parameterized above average have kernels with quadratic numbers of variables. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 326–337. Springer-Verlag, Berlin-Heidelberg, 2010.
- [36] MohammadTaghi Hajiaghayi, Rohit Khandekar, and Guy Kortsarz. Budgeted red-blue median and its generalizations. In Mark de Berg

- and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 314–325. Springer-Verlag, Berlin-Heidelberg, 2010.
- [37] Frank Hellweg, Melanie Schmidt, and Christian Sohler. Testing euclidean spanners. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 60–71. Springer-Verlag, Berlin-Heidelberg, 2010.
- [38] Michael Hemmer, Ophir Setter, and Dan Halperin. Constructing the exact voronoi diagram of arbitrary lines in three-dimensional space with fast point-location. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 398–409. Springer-Verlag, Berlin-Heidelberg, 2010.
- [39] Jesper Jansson and Wing-Kin Sung. Constructing the r^* consensus tree of two trees in subcubic time. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 573–584. Springer-Verlag, Berlin-Heidelberg, 2010.
- [40] Marcin Kamiński, Daniël Paulusma, and Dimitrios M. Thilikos. Contractions of planar graphs in polynomial time. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 122–133. Springer-Verlag, Berlin-Heidelberg, 2010.
- [41] Haim Kaplan, Matthew J. Katz, Gila Morgenstern, and Micha Sharir. Optimal cover of points by disks in a simple polygon. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 475–486. Springer-Verlag, Berlin-Heidelberg, 2010.
- [42] Juha Kärkkäinen and Simon J. Puglisi. Medium-space algorithms for inverse bwt. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of*

- the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 451–462. Springer-Verlag, Berlin-Heidelberg, 2010.
- [43] Michael Lampis. Algorithmic meta-theorems for restrictions of treewidth. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 549–560. Springer-Verlag, Berlin-Heidelberg, 2010.
- [44] U. Lorenz, A. Martin, and J. Wolf. Polyhedral and algorithmic properties of quantified linear programs. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 512–523. Springer-Verlag, Berlin-Heidelberg, 2010.
- [45] Vitaly Osipov and Peter Sanders. n -level graph partitioning. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 278–289. Springer-Verlag, Berlin-Heidelberg, 2010.
- [46] Viresh Patel. Determining edge expansion and other connectivity measures of graphs of bounded genus. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 561–572. Springer-Verlag, Berlin-Heidelberg, 2010.
- [47] Emmanouil Pountourakis and Angelina Vidali. A complete characterization of group-strategyproof mechanisms of cost-sharing. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 146–157. Springer-Verlag, Berlin-Heidelberg, 2010.
- [48] Martin Skutella and José Verschae. A robust ptas for machine covering and packing. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 36–47. Springer-Verlag, Berlin-Heidelberg, 2010.

- [49] Shay Solomon and Michael Elkin. Balancing degree, diameter and weight in euclidean spanners. In Mark de Berg and Ulrich Meyer, editors, *Proceedings of the 18th Annual European Symposium on Algorithms, ESA'2010, Part I (Liverpool, UK, September 6-8, 2010)*, volume 6346 of *LNCS*, pages 48–59. Springer-Verlag, Berlin-Heidelberg, 2010.