

References

- [1] Mohammad Ali Abam, Paz Carmi, Mohammad Farshi, and Michiel Smid. On the power of the semi-separated pair decomposition. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg, 2009.
- [2] Oswin Aichholzer, Thomas Hackl, Michael Hoffmann, Alexander Pilz, Günter Rote, Bettina Speckmann, and Birgit Vogtenhuber. Plane graphs with parity constraints. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 13–24. Springer-Verlag, Berlin-Heidelberg, 2009.
- [3] Patrizio Angelini, Fabrizio Frati, and Michael Kaufmann. Straight-line rectangular drawings of clustered graphs. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 25–36. Springer-Verlag, Berlin-Heidelberg, 2009.
- [4] Spyros Angelopoulos. Online priority steiner tree problems. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 37–48. Springer-Verlag, Berlin-Heidelberg, 2009.
- [5] Boris Aronov, Kevin Buchin, Maike Buchin, Marc van Kreveld, Maarten Löffler, Jun Luo, Rodrigo I. Silveira, and Bettina Speckmann. Connect the dot: Computing feed-links with minimum dilation. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 49–60. Springer-Verlag, Berlin-Heidelberg, 2009.

- [6] Brad Ballinger, David Charlton, Erik D. Demaine, Martin L. Demaine, John Iacono, Ching-Hao Liu, and Sheung-Hung Poon. Minimal locked trees. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 61–73. Springer-Verlag, Berlin-Heidelberg, 2009.
- [7] Piotr Berman, Bhaskar DasGupta, and Marek Karpinski. Approximating transitive reductions for directed networks. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 74–85. Springer-Verlag, Berlin-Heidelberg, 2009.
- [8] Piotr Berman, Marek Karpinski, and Alexander Zelikovsky. 1.25-approximation algorithm for steiner tree problem with distances 1 and 2. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 86–97. Springer-Verlag, Berlin-Heidelberg, 2009.
- [9] Prosenjit Bose and Karim Douieb. Efficient construction of near-optimal binary and multiway search trees. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 230–241. Springer-Verlag, Berlin-Heidelberg, 2009.
- [10] Prosenjit Bose, Meng He, Anil Maheshwari, and Pat Morin. Succinct orthogonal range search structures on a grid with applications to text indexing. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 98–109. Springer-Verlag, Berlin-Heidelberg, 2009.
- [11] Prosenjit Bose, John Howat, and Pat Morin. A distribution-sensitive dictionary with low space overhead. In Frank Dehne, Marina Gavrilova,

- Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 110–118. Springer-Verlag, Berlin-Heidelberg, 2009.
- [12] Nicolas Bourgeois, Bruno Escoffier, and Vangelis Th. Paschos. Efficient approximation of combinatorial problems by moderately exponential algorithms. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 507–518. Springer-Verlag, Berlin-Heidelberg, 2009.
- [13] Joan Boyar, Sandy Irani, and Kim S. Larsen. A comparison of performance measures for online algorithms. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 119–130. Springer-Verlag, Berlin-Heidelberg, 2009.
- [14] Gerth Stølting Brodal, Allan Grønlund Jørgensen, and Thomas Mølhave. Fault tolerant external memory algorithms. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 411–422. Springer-Verlag, Berlin-Heidelberg, 2009.
- [15] Kevin Buchin, Maarten Löffler, Pat Morin, and Wolfgang Mulzer. De-launay triangulation of imprecise points simplified and extended. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 131–143. Springer-Verlag, Berlin-Heidelberg, 2009.
- [16] Jianer Chen and Yang Liu. An improved sat algorithm in terms of formula length. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada,*

- August 21-23, 2009*), volume 5664 of *LNCS*, pages 144–155. Springer-Verlag, Berlin-Heidelberg, 2009.
- [17] Atlas F. Cook IV and Carola Wenk. Shortest path problems on a polyhedral surface. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 156–167. Springer-Verlag, Berlin-Heidelberg, 2009.
- [18] Artur Czumaj, Jurek Czyzowicz, Leszek Gąsieniec, Jesper Jansson, Andrzej Lingas, and Pawel Zylinski. Approximation algorithms for buy-at-bulk geometric network design. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 168–180. Springer-Verlag, Berlin-Heidelberg, 2009.
- [19] Brian C. Dean and Zachary H. Jones. Rank-sensitive priority queues. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 181–192. Springer-Verlag, Berlin-Heidelberg, 2009.
- [20] Erik D. Demaine. Algorithms meet art, puzzles, and magic. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 193–193. Springer-Verlag, Berlin-Heidelberg, 2009.
- [21] Jonathan C. Derryberry and Daniel D. Sleator. Skip-splay: Toward achieving the unified bound in the bst model. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 194–205. Springer-Verlag, Berlin-Heidelberg, 2009.

- [22] Walter Didimo, Peter Eades, and Giuseppe Liotta. Drawing graphs with right angle crossings. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 206–217. Springer-Verlag, Berlin-Heidelberg, 2009.
- [23] Reza Dorrigiv, Stephane Durocher, Arash Farzan, Robert Fraser, Alejandro López-Ortiz, Munro, J. Ian, Alejandro Salinger, and Matthew Skala. Finding a hausdorff core of a polygon: On convex polygon containment with bounded hausdorff distance. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 218–229. Springer-Verlag, Berlin-Heidelberg, 2009.
- [24] Wenliang Du, David Eppstein, Michael T. Goodrich, and George S. Lueker. On the approximability of geometric and geographic generalization and the min-max bin covering problem. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 242–253. Springer-Verlag, Berlin-Heidelberg, 2009.
- [25] Adrian Dumitrescu and Minghui Jiang. On reconfiguration of disks in the plane and related problems. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 254–265. Springer-Verlag, Berlin-Heidelberg, 2009.
- [26] David Eppstein and Elena Mumford. Orientation-constrained rectangular layouts. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 266–277. Springer-Verlag, Berlin-Heidelberg, 2009.
- [27] David Eppstein and Emma S. Spiro. The h -index of a graph and its application to dynamic subgraph statistics. In Frank Dehne, Marina

- Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 278–289. Springer-Verlag, Berlin-Heidelberg, 2009.
- [28] David Eppstein and Kevin A. Wortman. Optimal embedding into star metrics. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 290–301. Springer-Verlag, Berlin-Heidelberg, 2009.
- [29] Sándor P. Fekete, Tom Kamphans, and Nils Schweer. Online square packing. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 302–314. Springer-Verlag, Berlin-Heidelberg, 2009.
- [30] Travis Gagie and Yakov Nekrich. Worst-case optimal adaptive prefix coding. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 315–326. Springer-Verlag, Berlin-Heidelberg, 2009.
- [31] Alexander Gilbers and Rolf Klein. New results on visibility in simple polygons. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 327–338. Springer-Verlag, Berlin-Heidelberg, 2009.
- [32] Robert Görke, Tanja Hartmann, and Dorothea Wagner. Dynamic graph clustering using minimum-cut trees. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 339–350. Springer-Verlag, Berlin-Heidelberg, 2009.

- [33] Bernhard Haeupler, Siddhartha Sen, and Robert E. Tarjan. Rank-balanced trees. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 351–362. Springer-Verlag, Berlin-Heidelberg, 2009.
- [34] Farzad Hassanzadeh and David Rappaport. Approximation algorithms for finding a minimum perimeter polygon intersecting a set of line segments. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 363–374. Springer-Verlag, Berlin-Heidelberg, 2009.
- [35] Takehiro Ito, Marcin Kamiński, and Erik D. Demaine. Reconfiguration of list edge-colorings in a graph. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 375–386. Springer-Verlag, Berlin-Heidelberg, 2009.
- [36] Krishnam Raju Jampani and Anna Lubiw. The simultaneous representation problem for chordal, comparability and permutation graphs. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 387–398. Springer-Verlag, Berlin-Heidelberg, 2009.
- [37] Klaus Jansen, Lars Prädell, and Ulrich M. Schwarz. Two for one: Tight approximation of 2d bin packing. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 399–410. Springer-Verlag, Berlin-Heidelberg, 2009.
- [38] Tom Kamphans and Elmar Langetepe. Inspecting a set of strips optimally. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and

- Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 423–434. Springer-Verlag, Berlin-Heidelberg, 2009.
- [39] Daniel Kane, Gregory N. Price, and Erik D. Demaine. A pseudopolynomial algorithm for alexandrov’s theorem. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 435–446. Springer-Verlag, Berlin-Heidelberg, 2009.
- [40] Matthew J. Katz and Gila Morgenstern. A scheme for computing minimum covers within simple regions. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 447–458. Springer-Verlag, Berlin-Heidelberg, 2009.
- [41] Martin Knauer and Joachim Spoerhase. Better approximation algorithms for the maximum internal spanning tree problem. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 459–470. Springer-Verlag, Berlin-Heidelberg, 2009.
- [42] Lukasz Kowalik and Marcin Mucha. Two approximation algorithms for atsp with strengthened triangle inequality. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 471–482. Springer-Verlag, Berlin-Heidelberg, 2009.
- [43] Christiane Lammersen, Anastasios Sidiropoulos, and Christian Sohler. Streaming embeddings with slack. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 483–494. Springer-Verlag, Berlin-Heidelberg, 2009.

- [44] David L. Millman and Jack Snoeyink. Computing the implicit voronoi diagram in triple precision. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 495–506. Springer-Verlag, Berlin-Heidelberg, 2009.
- [45] James B. Orlin, Abraham P. Punnen, and Andreas S. Schulz. Integer programming: Optimization and evaluation are equivalent. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 519–529. Springer-Verlag, Berlin-Heidelberg, 2009.
- [46] Günter Rote and André Schulz. Resolving loads with positive interior stresses. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 530–541. Springer-Verlag, Berlin-Heidelberg, 2009.
- [47] Mathias Weller, Christian Komusiewicz, Rolf Niedermeier, and Johannes Uhlmann. On making directed graphs transitive. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 542–553. Springer-Verlag, Berlin-Heidelberg, 2009.
- [48] Hiroaki Yamamoto and Daichi Takenouchi. Bit-parallel tree pattern matching algorithms for unordered labeled trees. In Frank Dehne, Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 554–565. Springer-Verlag, Berlin-Heidelberg, 2009.
- [49] Chenyu Yan, Yang Xiang, and Feodor F. Dragan. Compact and low delay routing labeling scheme for unit disk graphs. In Frank Dehne,

Marina Gavrilova, Jörg-Rüdiger Sack, and Csaba D. Tóth, editors, *Proceedings of the 11th International Symposium on Algorithms and Data Structures, WADS'2009 (Banff, Canada, August 21-23, 2009)*, volume 5664 of *LNCS*, pages 566–577. Springer-Verlag, Berlin-Heidelberg, 2009.