

References

- [1] Eyal Ackerman, Radoslav Fulek, and Csaba D. Tóth. On the size of graphs that admit polyline drawings with few bends and crossing angles. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg, 2011.
- [2] Patrizio Angelini, Enrico Colasante, Giuseppe Di Battista, Fabrizio Frati, and Maurizio Patrignani. Monotone drawings of graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 13–24. Springer-Verlag, Berlin-Heidelberg, 2011.
- [3] Patrizio Angelini, Fabrizio Frati, Markus Geyer, Michael Kaufmann, Tamara Mchedlidze, and Antonios Symvonis. Upward geometric graph embeddings into point sets. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 25–37. Springer-Verlag, Berlin-Heidelberg, 2011.
- [4] Patrizio Angelini, Markus Geyer, Michael Kaufmann, and Daniel Neuwirth. On a tree and a path with no geometric simultaneous embedding. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 38–49. Springer-Verlag, Berlin-Heidelberg, 2011.
- [5] Daniel Archambault, Helen C. Purchase, and Bruno Pinaud. Difference map readability for dynamic graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 50–61. Springer-Verlag, Berlin-Heidelberg, 2011.
- [6] Evmorfia N. Argyriou, Michael A. Bekos, and Antonios Symvonis. Maximizing the total resolution of graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium*

- on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010), volume 6502 of LNCS, pages 62–67. Springer-Verlag, Berlin-Heidelberg, 2011.
- [7] Christopher Auer, Christian Bachmaier, Franz Josef Brandenburg, Wolfgang Brunner, and Andreas Gleißner. Plane drawings of queue and deque graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of LNCS, pages 68–79. Springer-Verlag, Berlin-Heidelberg, 2011.
- [8] Gereon Bartel, Carsten Gutwenger, Karsten Klein, and Petra Mutzel. An experimental evaluation of multilevel layout methods. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of LNCS, pages 80–91. Springer-Verlag, Berlin-Heidelberg, 2011.
- [9] Thomas Bläsius, Marcus Krug, Ignaz Rutter, and Dorothea Wagner. Orthogonal graph drawing with flexibility constraints. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of LNCS, pages 92–104. Springer-Verlag, Berlin-Heidelberg, 2011.
- [10] Jürgen Bregenzner. Graphml-based exploration and evaluation of efficient parallelization alternatives for automation firmware. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of LNCS, pages 389–390. Springer-Verlag, Berlin-Heidelberg, 2011.
- [11] Wolfgang Brunner and Marco Matzeder. Drawing ordered $(k - 1)$ -ary trees on k -grids. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of LNCS, pages 105–116. Springer-Verlag, Berlin-Heidelberg, 2011.
- [12] Kevin Buchin, Bettina Speckmann, and Sander Verdonschot. Optimizing regular edge labelings. In Ulrik Brandes and Sabine Cornelsen, edi-

- tors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 117–128. Springer-Verlag, Berlin-Heidelberg, 2011.
- [13] Erin W. Chambers, David Eppstein, Michael T. Goodrich, and Maarten Löffler. Drawing graphs in the plane with a prescribed outer face and polynomial area. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 129–140. Springer-Verlag, Berlin-Heidelberg, 2011.
- [14] Markus Chimani, Carsten Gutwenger, Petra Mutzel, Miro Spönemann, and Hoi-Ming Wong. Crossing minimization and layouts of directed hypergraphs with port constraints. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 141–152. Springer-Verlag, Berlin-Heidelberg, 2011.
- [15] Giordano Da Lozzo, Giuseppe Di Battista, and Francesco Ingrassia. Drawing graphs on a smartphone. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 153–164. Springer-Verlag, Berlin-Heidelberg, 2011.
- [16] Walter Didimo, Giuseppe Liotta, and Salvatore A. Romeo. Topology-driven force-directed algorithms. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 165–176. Springer-Verlag, Berlin-Heidelberg, 2011.
- [17] Vida Dujmović, William Evans, Stephen Kobourov, Giuseppe Liotta, Christophe Weibel, and Stephen Wismath. On graphs supported by line sets. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 177–182. Springer-Verlag, Berlin-Heidelberg, 2011.

- [18] Christian A. Duncan, David Eppstein, Michael T. Goodrich, Stephen G. Kobourov, and Martin Nöllenburg. Drawing trees with perfect angular resolution and polynomial area. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 183–194. Springer-Verlag, Berlin-Heidelberg, 2011.
- [19] Christian A. Duncan, David Eppstein, Michael T. Goodrich, Stephen G. Kobourov, and Martin Nöllenburg. Lombardi drawings of graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 195–207. Springer-Verlag, Berlin-Heidelberg, 2011.
- [20] Christian A. Duncan, Carsten Gutwenger, Lev Nachmanson, and Georg Sander. Graph drawing contest report. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 406–411. Springer-Verlag, Berlin-Heidelberg, 2011.
- [21] David Eppstein, Maarten Löffler, Elena Mumford, and Martin Nöllenburg. Optimal 3d angular resolution for low-degree graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 208–219. Springer-Verlag, Berlin-Heidelberg, 2011.
- [22] Fabrizio Frati. Improved lower bounds on the area requirements of series-parallel graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 220–225. Springer-Verlag, Berlin-Heidelberg, 2011.
- [23] Radoslav Fulek and János Pach. A computational approach to conway's thrackle conjecture. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 226–237. Springer-Verlag, Berlin-Heidelberg, 2011.

- [24] Graeme Gange, Peter J. Stuckey, and Kim Marriott. Optimal k -level planarization and crossing minimization. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 238–249. Springer-Verlag, Berlin-Heidelberg, 2011.
- [25] Emden R. Gansner, Yifan Hu, and Stephen G. Kobourov. On touching triangle graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 250–261. Springer-Verlag, Berlin-Heidelberg, 2011.
- [26] Andreas Gemsa, Martin Nöllenburg, Thomas Pajor, and Ignaz Rutter. Automatic generation of route sketches. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 391–392. Springer-Verlag, Berlin-Heidelberg, 2011.
- [27] Markus Geyer, Michael Kaufmann, and Robert Krug. Visualizing differences between two large graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 393–394. Springer-Verlag, Berlin-Heidelberg, 2011.
- [28] Daniel Gonçalves, Benjamin Lévêque, and Alexandre Pinlou. Triangle contact representations and duality. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 262–273. Springer-Verlag, Berlin-Heidelberg, 2011.
- [29] Yifan Hu, Stephen Kobourov, and Sankar Veeramoni. On maximum differential graph coloring. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 274–286. Springer-Verlag, Berlin-Heidelberg, 2011.

- [30] Konstantinos G. Kakoulis and Ioannis G. Tollis. Placing edge labels by modifying an orthogonal graph drawing. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 395–396. Springer-Verlag, Berlin-Heidelberg, 2011.
- [31] Ross J. Kang and Tobias Müller. Dot product representations of planar graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 287–292. Springer-Verlag, Berlin-Heidelberg, 2011.
- [32] Balázs Keszegh, János Pach, and Dömötör Pálvölgyi. Drawing planar graphs of bounded degree with few slopes. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 293–304. Springer-Verlag, Berlin-Heidelberg, 2011.
- [33] Ján Maňuch, Murray Patterson, Sheung-Hung Poon, and Chris Thachuk. Complexity of finding non-planar rectilinear drawings of graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 305–316. Springer-Verlag, Berlin-Heidelberg, 2011.
- [34] Quan Nguyen, Peter Eades, Seok-Hee Hong, and Weidong Huang. Large crossing angles in circular layouts. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 397–399. Springer-Verlag, Berlin-Heidelberg, 2011.
- [35] Rahnuma Islam Nishat, Debajyoti Mondal, and Md. Saidur Rahman. Point-set embeddings of plane 3-tree. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 317–328. Springer-Verlag, Berlin-Heidelberg, 2011.

- [36] Bruno Pinaud and Pascale Kuntz. Gvvr: An on-line guide for choosing a graph visualization software. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 400–401. Springer-Verlag, Berlin-Heidelberg, 2011.
- [37] Sergey Pupyrev, Lev Nachmanson, and Michael Kaufmann. Improving layered graph layouts with edge bundling. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 329–340. Springer-Verlag, Berlin-Heidelberg, 2011.
- [38] Gianluca Quercini and Massimo Ancona. Confluent drawing algorithms using rectangular dualization. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 341–352. Springer-Verlag, Berlin-Heidelberg, 2011.
- [39] David A. Richter. How to draw a tait-colorable graph. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 353–364. Springer-Verlag, Berlin-Heidelberg, 2011.
- [40] Georg Sander. Ibm ilog multi-platform graph layout technology. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 402–403. Springer-Verlag, Berlin-Heidelberg, 2011.
- [41] Mereke van Garderen, Giuseppe Liotta, and Henk Meijer. Universal pointsets for 2-coloured trees. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 365–370. Springer-Verlag, Berlin-Heidelberg, 2011.

- [42] Marc van Kreveld. The quality ratio of rac drawings and planar drawings of planar graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 371–376. Springer-Verlag, Berlin-Heidelberg, 2011.
- [43] Erik Jan van Leeuwen and Jan van Leeuwen. Convex polygon intersection graphs. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 377–388. Springer-Verlag, Berlin-Heidelberg, 2011.
- [44] Björn Zimmer, Dennie Ackermann, Manfred Schröder, Andreas Kerren, and Volker Ahlers. Comparative visualization of user flows in voice portals. In Ulrik Brandes and Sabine Cornelsen, editors, *Proceedings of the 18th International Symposium on Graph Drawing, GD'2010 (Konstanz, Germany, September 21-24, 2010)*, volume 6502 of *LNCS*, pages 404–405. Springer-Verlag, Berlin-Heidelberg, 2011.