

## References

- [1] Anna Adamaszek and Alexandru Popa. Approximation and hardness results for the maximum edge  $q$ -coloring problem. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 132–143. Springer-Verlag, Berlin-Heidelberg, 2010.
- [2] Hee-Kap Ahn, Siu-Wing Cheng, and Iris Reinbacher. Maximum overlap of convex polytopes under translation. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 97–108. Springer-Verlag, Berlin-Heidelberg, 2010.
- [3] Hee-Kap Ahn, Christian Knauer, Marc Scherfenberg, Lena Schlipf, and Antoine Vigneron. Computing the discrete fréchet distance with imprecise input. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 422–433. Springer-Verlag, Berlin-Heidelberg, 2010.
- [4] John Augustine and Nick Gravin. On the continuous cnn problem. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 254–265. Springer-Verlag, Berlin-Heidelberg, 2010.
- [5] Sang Won Bae and Chan-Su Shin. The onion diagram: A voronoi-like tessellation of a planar line space and its applications. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 230–241. Springer-Verlag, Berlin-Heidelberg, 2010.

- [6] Jérémie Barbay, Travis Gagie, Gonzalo Navarro, and Yakov Nekrich. Alphabet partitioning for compressed rank/select and applications. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 315–326. Springer-Verlag, Berlin-Heidelberg, 2010.
- [7] Binay Bhattacharya and Yuzhuang Hu. Approximation algorithms for the multi-vehicle scheduling problem. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 192–205. Springer-Verlag, Berlin-Heidelberg, 2010.
- [8] Prosenjit Bose, Mirela Damian, Karim Douïeb, Joseph O'Rourke, Ben Seamone, Michiel Smid, and Stefanie Wuhrer.  $\pi/2$ -angle yao graphs are spanners. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 446–457. Springer-Verlag, Berlin-Heidelberg, 2010.
- [9] Gerth Stølting Brodal, Casper Kejlberg-Rasmussen, and Jakob Truelsen. A cache-oblivious implicit dictionary with the working set property. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 37–48. Springer-Verlag, Berlin-Heidelberg, 2010.
- [10] Gerth Stølting Brodal, Spyros Sioutas, Kostas Tsichlas, and Christos Zaroliagis. D<sup>2</sup>-tree: A new overlay with deterministic bounds. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg, 2010.

- [11] Hajo Broersma, Petr A. Golovach, Daniël Paulusma, and Jian Song. On coloring graphs without induced forests. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 156–167. Springer-Verlag, Berlin-Heidelberg, 2010.
- [12] Stefan Canzar, Khaled Elbassioni, Amr Elmasry, and Rajiv Raman. On the approximability of the maximum interval constrained coloring problem. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 168–179. Springer-Verlag, Berlin-Heidelberg, 2010.
- [13] Erin Chambers, Alejandro Erickson, Sándor Fekete, Jonathan Lenchner, Jeff Sember, Srinivasan Venkatesh, Ulrike Stege, Svetlana Stolpner, Christoph Weibel, and Sue Whitesides. Connectivity graphs of uncertainty regions. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 434–445. Springer-Verlag, Berlin-Heidelberg, 2010.
- [14] Kuan-Yu Chen, Ping-Hui Hsu, and Kun-Mao Chao. Identifying approximate palindromes in run-length encoded strings. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 339–350. Springer-Verlag, Berlin-Heidelberg, 2010.
- [15] Siu-Wing Cheng, Jiongxin Jin, Antoine Vigneron, and Yajun Wang. Approximate shortest homotopic paths in weighted regions. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 109–120. Springer-Verlag, Berlin-Heidelberg, 2010.

- [16] Ferdinando Cicalese, Tobias Jacobs, Eduardo Laber, and Marco Molinaro. On greedy algorithms for decision trees. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 206–217. Springer-Verlag, Berlin-Heidelberg, 2010.
- [17] Emilio Di Giacomo, Walter Didimo, Giuseppe Liotta, and Henk Meijer. Drawing a tree as a minimum spanning tree approximation. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 61–72. Springer-Verlag, Berlin-Heidelberg, 2010.
- [18] Amr Elmasry. Why depth-first search efficiently identifies two and three-connected graphs. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 375–386. Springer-Verlag, Berlin-Heidelberg, 2010.
- [19] Arash Farzan, Travis Gagie, and Gonzalo Navarro. Entropy-bounded representation of point grids. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 327–338. Springer-Verlag, Berlin-Heidelberg, 2010.
- [20] Ansgar Grüne, Tien-Ching Lin, Teng-Kai Yu, Rolf Klein, Elmar Langetepe, and Sheung-Hung Poon. Spanning ratio and maximum detour of rectilinear paths in the  $l_1$  plane. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 121–131. Springer-Verlag, Berlin-Heidelberg, 2010.
- [21] Qian-Ping Gu and Hisao Tamaki. Improved bounds on the planar branchwidth with respect to the largest grid minor size. In Otfried

- Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 85–96. Springer-Verlag, Berlin-Heidelberg, 2010.
- [22] Bernhard Haeupler, Krishnam Raju Jampani, and Anna Lubiw. Testing simultaneous planarity when the common graph is 2-connected. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 410–421. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [23] Toru Hasunuma, Toshimasa Ishii, Hirotaka Ono, and Yushi Uno. The  $(p, q)$ -total labeling problem for trees. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 49–60. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [24] Pinar Heggernes, Daniel Meister, and Yngve Villanger. Induced subgraph isomorphism on interval and proper interval graphs. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 399–409. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [25] Sun-Yuan Hsieh and Chun-An Chen. Computing the  $(t, k)$ -diagnosability of component-composition graphs and its application. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 363–374. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [26] Takehiro Ito, Takuya Hara, Xiao Zhou, and Takao Nishizeki. Minimum cost partitions of trees with supply and demand. In Otfried

- Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 351–362. Springer-Verlag, Berlin-Heidelberg, 2010.
- [27] Minghui Jiang. Approximability of constrained lcs. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 180–191. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [28] Yasuaki Kobayashi, Yuichiro Miyamoto, and Hisao Tamaki.  $k$ -cyclic orientations of graphs. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 73–84. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [29] Henning Meyerhenke. Beyond good shapes: Diffusion-based graph partitioning is relaxed cut optimization. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 387–398. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [30] Yakov Nekrich. Dynamic range reporting in external memory. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 25–36. Springer-Verlag, Berlin-Heidelberg, 2010.
  - [31] Matthew J. Patitz and Scott M. Summers. Identifying shapes using self-assembly. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 458–469. Springer-Verlag, Berlin-Heidelberg, 2010.

- [32] Britta Peis, Sebastian Stiller, and Andreas Wiese. Policies for periodic packet routing. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 266–278. Springer-Verlag, Berlin-Heidelberg, 2010.
- [33] Juraj Stacho. 3-colouring at-free graphs in polynomial time. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 144–155. Springer-Verlag, Berlin-Heidelberg, 2010.
- [34] Sebastian Stiller and Andreas Wiese. Increasing speed scheduling and flow scheduling. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 279–290. Springer-Verlag, Berlin-Heidelberg, 2010.
- [35] Marc Tchiboukdjian, Nicolas Gast, Denis Trystram, Jean-Louis Roch, and Julien Bernard. A tighter analysis of work stealing. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 291–302. Springer-Verlag, Berlin-Heidelberg, 2010.
- [36] Clemens Thielen and Stephan Westphal. Approximating the traveling tournament problem with maximum tour length 2. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 303–314. Springer-Verlag, Berlin-Heidelberg, 2010.
- [37] Weiwei Wu, Wanyong Tian, Minming Li, Chun Jason Xue, and Enhong Chen. Single and multiple device dsa problem, complexities and online

algorithms. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 218–229. Springer-Verlag, Berlin-Heidelberg, 2010.

- [38] Chih-Chiang Yu, Biing-Feng Wang, and Chung-Chin Kuo. Efficient indexes for the positional pattern matching problem and two related problems over small alphabets. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 13–24. Springer-Verlag, Berlin-Heidelberg, 2010.
- [39] Yong Zhang, Jingchi Chen, Francis Y.L. Chin, Xin Han, Hing-Fung Ting, and Yung H. Tsin. Improved online algorithms for 1-space bounded 2-dimensional bin packing. In Otfried Cheong, Kyung-Yong Chwa, and Kunsoo Park, editors, *Proceedings of the 21st International Symposium on Algorithms and Computation, ISAAC'2010, Part II (Jeju Island, Korea, December 15-17, 2010)*, volume 6507 of *LNCS*, pages 242–253. Springer-Verlag, Berlin-Heidelberg, 2010.