

References

- [1] Pankaj K. Agarwal. Modeling and analyzing massive terrain data sets. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg, 2007.
- [2] Hee-Kap Ahn, Mohammad Farshi, Christian Knauer, Michiel Smid, and Yajun Wang. Dilation-optimal edge deletion in polygonal cycles. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 88–99. Springer-Verlag, Berlin-Heidelberg, 2007.
- [3] Deepak Ajwani and Tobias Friedrich. Average-case analysis of online topological ordering. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 464–475. Springer-Verlag, Berlin-Heidelberg, 2007.
- [4] Greg Aloupis, Sébastien Collette, Mirela Damian, Erik D. Demaine, Robin Flatland, Stefan Langerman, Joseph O'Rourke, Suneeta Ramaswami, Vera Sacristán, and Stefanie Wuhrer. Linear reconfiguration of cube-style modular robots. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 208–219. Springer-Verlag, Berlin-Heidelberg, 2007.
- [5] Omid Amini, Stéphane Pérennes, and Ignasi Sau. Hardness and approximation of traffic grooming. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 561–573. Springer-Verlag, Berlin-Heidelberg, 2007.
- [6] Boris Aronov, Tetsuo Asano, and Stefan Funke. Optimal triangulation with steiner points. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 681–691. Springer-Verlag, Berlin-Heidelberg, 2007.

- [7] V. Arvind, Bireswar Das, and Johannes Köbler. The space complexity of k -tree isomorphism. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 822–833. Springer-Verlag, Berlin-Heidelberg, 2007.
- [8] V. Arvind and Partha Mukhopadhyay. The monomial ideal membership problem and polynomial identity testing. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 800–811. Springer-Verlag, Berlin-Heidelberg, 2007.
- [9] Tetsuo Asano, Shinnya Bitou, Mitsuo Motoki, and Nobuaki Usui. In-place algorithm for image rotation. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 704–715. Springer-Verlag, Berlin-Heidelberg, 2007.
- [10] Emgad Bachoore and Hans L. Bodlaender. Weighted treewidth algorithmic techniques and results. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 893–903. Springer-Verlag, Berlin-Heidelberg, 2007.
- [11] Sang Won Bae, Chunseok Lee, Hee-Kap Ahn, Sunghee Choi, and Kyung-Yong Chwa. Maintaining extremal points and its applications to deciding optimal orientations. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 788–799. Springer-Verlag, Berlin-Heidelberg, 2007.
- [12] Sung Eun Bae and Tadao Takaoka. A sub-cubic time algorithm for the k -maximum subarray problem. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 751–762. Springer-Verlag, Berlin-Heidelberg, 2007.
- [13] Jérémie Barbay, Luca Castelli Aleardi, Meng He, and J. Ian Munro. Succinct representation of labeled graphs. In Takeshi Tokuyama, edi-

- tor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 316–328. Springer-Verlag, Berlin-Heidelberg, 2007.
- [14] David Barbelli, George Kachergis, David Liben-Nowell, Anna Sallstrom, and Ben Sowell. Depth of field and cautious-greedy routing in social networks. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 574–586. Springer-Verlag, Berlin-Heidelberg, 2007.
 - [15] Marc Benkert, Bojan Djordjevic, Joachim Gudmundsson, and Thomas Wolle. Finding popular places. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 776–787. Springer-Verlag, Berlin-Heidelberg, 2007.
 - [16] Philip Bille, Anna Pagh, and Rasmus Pagh. Fast evaluation of union-intersection expressions. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 739–750. Springer-Verlag, Berlin-Heidelberg, 2007.
 - [17] Davide Bilò, Jörg Derungs, Luciano Gualà, Guido Proietti, and Peter Widmayer. Locating facilities on a network to minimize their average service radius. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 587–598. Springer-Verlag, Berlin-Heidelberg, 2007.
 - [18] Vittorio Bilò. The price of nash equilibria in multicast transmissions games. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 390–401. Springer-Verlag, Berlin-Heidelberg, 2007.
 - [19] Avrim Blum, Amin Coja-Oghlan, Alan Frieze, and Shuheng Zhou. Separating populations with wide data: A spectral analysis. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on*

Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007), volume 4835 of *LNCS*, pages 439–451. Springer-Verlag, Berlin-Heidelberg, 2007.

- [20] Magdalene G. Borgelt, Marc van Kreveld, and Jun Luo. Geodesic disks and clustering in a simple polygon. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 656–667. Springer-Verlag, Berlin-Heidelberg, 2007.
- [21] Peter Brass, Kyue D. Kim, Hyeyon-Suk Na, and Chan-Su Shin. Escaping off-line searchers and a discrete isoperimetric theorem. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 65–74. Springer-Verlag, Berlin-Heidelberg, 2007.
- [22] Binh-Minh Bui-Xuan, Michel Habib, Vincent Limouzy, and Fabien de Montgolfier. Unifying two graph decompositions with modular decomposition. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 52–64. Springer-Verlag, Berlin-Heidelberg, 2007.
- [23] Paz Carmi, Matthew J. Katz, and Nissan Lev-Tov. Covering points by unit disks of fixed location. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 644–655. Springer-Verlag, Berlin-Heidelberg, 2007.
- [24] Eric Y. Chen. Geometric streaming algorithms with a sorting primitive. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 512–524. Springer-Verlag, Berlin-Heidelberg, 2007.
- [25] Jiang Chen and Ke Yi. Dynamic structures for top- k queries on uncertain data. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007*

(Sendai, Japan December 17-19, 2007), volume 4835 of *LNCS*, pages 427–438. Springer-Verlag, Berlin-Heidelberg, 2007.

- [26] Markus Chimani and Carsten Gutwenger. Algorithms for the hypergraph and the minor crossing number problems. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 184–195. Springer-Verlag, Berlin-Heidelberg, 2007.
- [27] F.Y.L. Chin, H.F. Ting, and Y. Zhang. A constant-competitive algorithm for online ovsf code assignment. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 452–463. Springer-Verlag, Berlin-Heidelberg, 2007.
- [28] Ferdinando Cicalese and José Amgarten Quitzau. 2-stage fault tolerant interval group testing. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 858–868. Springer-Verlag, Berlin-Heidelberg, 2007.
- [29] Artur Czumaj and Xin Wang. Fast message dissemination in random geometric ad-hoc radio networks. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 220–231. Springer-Verlag, Berlin-Heidelberg, 2007.
- [30] Mark de Berg, Herman Haverkort, Shripad Thite, and Laura Toma. I/o-efficient map overlay and point location in low-density subdivisions. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 500–511. Springer-Verlag, Berlin-Heidelberg, 2007.
- [31] Reza Dorrigiv, Alejandro López-Ortiz, and J. Ian Munro. On the relative dominance of paging algorithms. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 427–438. Springer-Verlag, Berlin-Heidelberg, 2007.

tion, ISAAC'2007 (Sendai, Japan December 17-19, 2007), volume 4835 of *LNCS*, pages 488–499. Springer-Verlag, Berlin-Heidelberg, 2007.

- [32] Stephane Durocher and Christophe Paul. Kinetic maintenance of mobile k -centres on trees. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 341–352. Springer-Verlag, Berlin-Heidelberg, 2007.
- [33] Zdeněk Dvořák, Daniel Král', and Robin Thomas. Coloring triangle-free graphs on surfaces. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 2–4. Springer-Verlag, Berlin-Heidelberg, 2007.
- [34] Raphael Eidenbenz, Yvonne Anne Oswald, Stefan Schmid, and Roger Wattenhofer. Manipulation in games. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 365–376. Springer-Verlag, Berlin-Heidelberg, 2007.
- [35] Jia-Hao Fan, Chun-Cheng Lin, Hsueh-I Lu, and Hsu-Chun Yen. Width-optimal visibility representations of plane graphs. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 160–171. Springer-Verlag, Berlin-Heidelberg, 2007.
- [36] Martín Farach-Colton and Miguel A. Mosteiro. Sensor network gossiping or how to break the broadcast lower bound. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 232–243. Springer-Verlag, Berlin-Heidelberg, 2007.
- [37] Tommy Färnvist and Peter Jonsson. Bounded tree-width and csp-related problems. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 632–643. Springer-Verlag, Berlin-Heidelberg, 2007.

- [38] Uffe Flarup, Pascal Koiran, and Laurent Lyraudet. On the expressive power of planar perfect matching and permanents of bounded treewidth matrices. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 124–136. Springer-Verlag, Berlin-Heidelberg, 2007.
- [39] Zachary Friggstad and Mohammad R. Salavatipour. Approximability of packing disjoint cycles. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 304–315. Springer-Verlag, Berlin-Heidelberg, 2007.
- [40] Emanuele Fusco and Angelo Monti. Spanning trees with many leaves in regular bipartite graphs. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 904–914. Springer-Verlag, Berlin-Heidelberg, 2007.
- [41] Cyril Gavoille and Arnaud Labourel. Distributed relationship schemes for trees. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 728–738. Springer-Verlag, Berlin-Heidelberg, 2007.
- [42] Emeric Gioan and Christophe Paul. Dynamic distance hereditary graphs using split decomposition. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 41–51. Springer-Verlag, Berlin-Heidelberg, 2007.
- [43] F. Giordano, G. Liotta, T. Mchedlidze, and A. Symvonis. Computing upward topological book embeddings of upward planar digraphs. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 172–183. Springer-Verlag, Berlin-Heidelberg, 2007.
- [44] Darin Goldstein and Kojiro Kobayashi. On the complexity of the “most general” undirected firing squad synchronization problem. In Takeshi

Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 244–255. Springer-Verlag, Berlin-Heidelberg, 2007.

- [45] Mordecai Golin and Jian Li. More efficient algorithms and analyses for unequal letter cost prefix-free coding. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 329–340. Springer-Verlag, Berlin-Heidelberg, 2007.
- [46] Michael T. Goodrich and Jonathan Z. Sun. Checking value-sensitive data structures in sublinear space. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 353–364. Springer-Verlag, Berlin-Heidelberg, 2007.
- [47] Joachim Gudmundsson, Jyrki Katajainen, Damian Merrick, Cahya Ong, and Thomas Wolle. Compressing spatio-temporal trajectories. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 763–775. Springer-Verlag, Berlin-Heidelberg, 2007.
- [48] Samuel Guilbault and Andrzej Pelc. Fast adaptive diagnosis with a minimum number of tests. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 415–426. Springer-Verlag, Berlin-Heidelberg, 2007.
- [49] Jiong Guo. Problem kernels for np -complete edge deletion problems: Split and related graphs. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 915–926. Springer-Verlag, Berlin-Heidelberg, 2007.
- [50] Petr Hliněný and Gelasio Salazar. Approximating the crossing number of toroidal graphs. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007*

(Sendai, Japan December 17-19, 2007), volume 4835 of *LNCS*, pages 148–159. Springer-Verlag, Berlin-Heidelberg, 2007.

- [51] Chien-Chung Huang, Ming-Yang Kao, Xiang-Yang Li, and Weizhao Wang. Using nash implementation to achieve better frugality ratios. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 377–389. Springer-Verlag, Berlin-Heidelberg, 2007.
- [52] Toshimasa Ishii. Greedy approximation for source location problem with vertex-connectivity requirements in undirected graphs. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 29–40. Springer-Verlag, Berlin-Heidelberg, 2007.
- [53] Kazuo Iwama, Harumichi Nishimura, Rudy Raymond, and Shigeru Yamashita. Unbounded-error classical and quantum communication complexity. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 100–111. Springer-Verlag, Berlin-Heidelberg, 2007.
- [54] Mong-Jen Kao and Chung-Shou Liao. Capacitated domination problem. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 256–267. Springer-Verlag, Berlin-Heidelberg, 2007.
- [55] Tak-Wah Lam, Lap-Kei Lee, Isaac K.K. To, and Prudence W.H. Wong. Energy efficient deadline scheduling in two processor systems. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 476–487. Springer-Verlag, Berlin-Heidelberg, 2007.
- [56] Tak-Wah Lam, Wing-Kin Sung, Siu-Lung Tam, and Siu-Ming Yiu. Space efficient indexes for string matching with don't cares. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on*

Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007), volume 4835 of *LNCS*, pages 846–857. Springer-Verlag, Berlin-Heidelberg, 2007.

- [57] Ohad Lipsky, Benny Porat, Elly Porat, B. Riva Shalom, and Asaf Tzur. Approximate string matching with swap and mismatch. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 869–880. Springer-Verlag, Berlin-Heidelberg, 2007.
- [58] Hsiao-Fei Liu, Peng-An Chen, and Kun-Mao Chao. Algorithms for computing the length-constrained max-score segments with applications to dna copy number data analysis. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 834–845. Springer-Verlag, Berlin-Heidelberg, 2007.
- [59] Anil Maheshwari, Doron Nussbaum, Jörg-Rüdiger Sack, and Jiehua Yi. An $o(n^2 \log n)$ time algorithm for computing shortest paths amidst growing discs in the plane. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 668–680. Springer-Verlag, Berlin-Heidelberg, 2007.
- [60] Federico Mancini. Minimum fill-in and treewidth of split+ ke and split+ kv graphs. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 881–892. Springer-Verlag, Berlin-Heidelberg, 2007.
- [61] Sounaka Mishra, Venkatesh Raman, Saket Saurabh, Somnath Sikdar, and C.R. Subramanian. The complexity of finding subgraphs whose matching number equals the vertex cover number. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 268–279. Springer-Verlag, Berlin-Heidelberg, 2007.

- [62] Ehab Morsy and Hiroshi Nagamochi. Approximation to the minimum cost edge installation problem. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 292–303. Springer-Verlag, Berlin-Heidelberg, 2007.
- [63] Hannes Moser, Venkatesh Raman, and Somnath Sikdar. The parameterized complexity of the unique coverage problem. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 621–631. Springer-Verlag, Berlin-Heidelberg, 2007.
- [64] Hiroshi Nagamochi. Minimum degree orderings. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 17–28. Springer-Verlag, Berlin-Heidelberg, 2007.
- [65] Yakov Nekrich. External memory range reporting on a grid. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 525–535. Springer-Verlag, Berlin-Heidelberg, 2007.
- [66] Yoshio Okamoto and Takeaki Uno. A polynomial-time-delay and polynomial-space algorithm for enumeration problems in multi-criteria optimization. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 609–620. Springer-Verlag, Berlin-Heidelberg, 2007.
- [67] Evangelia Papadopoulou. Higher order voronoi diagrams of segments for vlsi critical area extraction. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 716–727. Springer-Verlag, Berlin-Heidelberg, 2007.
- [68] M. Ziaur Rahman and J. Ian Munro. Integer representation and counting in the bit probe model. In Takeshi Tokuyama, editor, *Proceedings*

of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007), volume 4835 of *LNCS*, pages 5–16. Springer-Verlag, Berlin-Heidelberg, 2007.

- [69] Thomas Sauerwald. On mixing and edge expansion properties in randomized broadcasting. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 196–207. Springer-Verlag, Berlin-Heidelberg, 2007.
- [70] Micha Streppel and Ke Yi. Approximate range searching in external memory. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 536–548. Springer-Verlag, Berlin-Heidelberg, 2007.
- [71] Satoshi Tayu, Shigeru Ito, and Shuichi Ueno. On the fault testing for reversible circuits. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 812–821. Springer-Verlag, Berlin-Heidelberg, 2007.
- [72] Rahul Tripathi. The 1-versus-2 queries problem revisited. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 137–147. Springer-Verlag, Berlin-Heidelberg, 2007.
- [73] Takeaki Uno. An efficient algorithm for enumerating pseudo cliques. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 402–414. Springer-Verlag, Berlin-Heidelberg, 2007.
- [74] Anna Urbańska. Faster combinatorial algorithms for determinant and pfaffian. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 599–608. Springer-Verlag, Berlin-Heidelberg, 2007.

- [75] Xiaodong Wu, Xin Dou, John Bayouth, and John Buatti. New algorithm for field splitting in radiation therapy. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 692–703. Springer-Verlag, Berlin-Heidelberg, 2007.
- [76] Xuzhen Xie, Mutsunori Yagiura, Takao Ono, Tomio Hirata, and Uri Zwick. New bounds for the nearly equitable edge coloring problem. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 280–291. Springer-Verlag, Berlin-Heidelberg, 2007.
- [77] Qin Xin. Faster treasure hunt and better strongly universal exploration sequences. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 549–560. Springer-Verlag, Berlin-Heidelberg, 2007.
- [78] Masaki Yamamoto. A spectral method for max2sat in the planted solution model. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 112–123. Springer-Verlag, Berlin-Heidelberg, 2007.
- [79] Yang Yang, Yongding Zhu, Jinhui Xu, and Naoki Katoh. Geometric spanner of segments. In Takeshi Tokuyama, editor, *Proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC'2007 (Sendai, Japan December 17-19, 2007)*, volume 4835 of *LNCS*, pages 75–87. Springer-Verlag, Berlin-Heidelberg, 2007.