

## References

- [1] M.A. Abam, M. de Berg, S.-H. Poon, and B. Speckmann. Kinetic collision detection for convex fat objects. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 4–15. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [2] Mohammad Ali Abam, Pankaj K. Agarwal, Mark de Berg, and Hai Yu. Out-of-order event processing in kinetic data structures. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 624–635. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [3] Michel Abdalla, Dario Catalano, Alexander W. Dent, John Malone-Lee, Gregory Neven, and Nigel P. Smart. Identity-based encryption gone wild. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 300–311. Springer-Verlag, Berlin-Heidelberg, 2006.
- [4] David J. Abraham and Telikepalli Kavitha. Dynamic matching markets and voting paths. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 65–76. Springer-Verlag, Berlin-Heidelberg, 2006.
- [5] Shadi Abu-Surra, Gianluigi Liva, and William E. Ryan. Low-floor tanner codes via hamming-node or rscc-node doping. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'2006 (Las Vegas, NV, USA, February 20-24, 2006)*, volume 3857 of *LNCS*, pages 245–254. Springer-Verlag, Berlin-Heidelberg, 2006.
- [6] Umut A. Acar, Guy E. Blelloch, Kanat Tangwongsan, and Jorge L. Vitter. Kinetic algorithms via self-adjusting computation. In Yossi

- Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 636–647. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [7] Luca Aceto, Taolue Chen, Wan Fokkink, and Anna Ingólfssdóttir. On the axiomatizability of priority. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 480–491. Springer-Verlag, Berlin-Heidelberg, 2006.
- [8] Luca Aceto, Wan Fokkink, Anna Ingólfssdóttir, and Bas Luttik. A finite equational base for ccs with left merge and communication merge. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 492–503. Springer-Verlag, Berlin-Heidelberg, 2006.
- [9] Eyal Ackerman, Kevin Buchin, Christian Knauer, and Günter Rote. Acyclic orientation of drawings. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 268–279. Springer-Verlag, Berlin-Heidelberg, 2006.
- [10] Baver Acu and Wolfgang Reisig. Compensation in workflow nets. In Susanna Donatelli and P.S. Thiagarajan, editors, *Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN'2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 65–83. Springer-Verlag, Berlin-Heidelberg, 2006.
- [11] Pedro Adão and Cédric Fournet. Cryptographically sound implementations for communicating processes. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 83–94. Springer-Verlag, Berlin-Heidelberg, 2006.

- [12] Peyman Afshani and Timothy M. Chan. Dynamic connectivity for axis-parallel rectangles. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 16–27. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [13] Pankaj K. Agarwal, Sergio Cabello, J. Antoni Sellarès, and Micha Sharir. Computing a center-transversal line. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 93–104. Springer-Verlag, Berlin-Heidelberg, 2006.
- [14] Divesh Aggarwal, Chandan K. Dubey, and Shashank K. Mehta. Algorithms on graphs with small dominating targets. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 141–152. Springer-Verlag, Berlin-Heidelberg, 2006.
- [15] Manindra Agrawal and Nitin Saxena. Equivalence of  $f$ -algebras and cubic forms. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 115–126. Springer-Verlag, Berlin-Heidelberg, 2006.
- [16] Adel Ahmed, Tim Dwyer, Michael Forster, Xiaoyan Fu, Joshua Ho, Seok-Hee Hong, Dirk Koschützki, Colin Murray, Nikola S. Nikolov, Ronnie Taib, Alexandre Tarassov, and Kai Xu. Geomi: Geometry for maximum insight. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 468–479. Springer-Verlag, Berlin-Heidelberg, 2006.
- [17] O. Aichholzer, C. Huemer, S. Kappes, B. Speckmann, and C.D. Tóth. Decompositions, partitions, and coverings with convex polygons and pseudo-triangles. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical*

- Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 86–97. Springer-Verlag, Berlin-Heidelberg, 2006.
- [18] Hassene Aissi, Cristina Bazgan, and Daniel Vanderpooten. Approximating min-max (regret) versions of some polynomial problems. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 428–438. Springer-Verlag, Berlin-Heidelberg, 2006.
- [19] Deepak Ajwani, Tobias Friedrich, and Ulrich Meyer. An  $o(n^{2.75})$  algorithm for online topological ordering. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 53–64. Springer-Verlag, Berlin-Heidelberg, 2006.
- [20] Tatsuya Akutsu, Daiji Fukagawa, and Atsuhiko Takasu. Approximating tree edit distance through string edit distance. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 90–99. Springer-Verlag, Berlin-Heidelberg, 2006.
- [21] Sebastian Aland, Dominic Dumrauf, Martin Gairing, Burkhard Monien, and Florian Schoppmann. Exact price of anarchy for polynomial congestion games. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 218–229. Springer-Verlag, Berlin-Heidelberg, 2006.
- [22] Beatriz Alarcón, Raúl Gutiérrez, and Salvador Lucas. Context-sensitive dependency pairs. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 297–308. Springer-Verlag, Berlin-Heidelberg, 2006.

- [23] Susanne Albers and Hiroshi Fujiwara. Energy-efficient algorithms for flow time minimization. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 621–633. Springer-Verlag, Berlin-Heidelberg, 2006.
- [24] L. Alcón, L. Faria, C.M.H. de Figueiredo, and M. Gutierrez. Clique graph recognition is  $np$ -complete. In Fedor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2006 (Bergen, Norway, June 22-24, 2006)*, volume 4271 of *LNCS*, pages 269–277. Springer-Verlag, Berlin-Heidelberg, 2006.
- [25] Lyudmil Aleksandrov, Hristo N. Djidjev, Hua Guo, Anil Maheshwari, Doron Nussbaum, and Jörg-Rüdiger Sack. Approximate shortest path queries on weighted polyhedral surfaces. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 98–109. Springer-Verlag, Berlin-Heidelberg, 2006.
- [26] Gadi Aleksandrowicz and Gill Barequet. Counting  $d$ -dimensional poly-cubes and nonrectangular planar polyominoes. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 418–427. Springer-Verlag, Berlin-Heidelberg, 2006.
- [27] Cyril Allauzen and Mehryar Mohri. A unified construction of the glushkov, follow, and antimirov automata. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 110–121. Springer-Verlag, Berlin-Heidelberg, 2006.
- [28] Noga Alon, Asaf Shapira, and Benny Sudakov. Additive approximation for edge-deletion problems. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd*

- International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 1–2. Springer-Verlag, Berlin-Heidelberg, 2006.
- [29] Rajeev Alur, Pavol Černý, and Steve Zdancewic. Preserving secrecy under refinement. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 107–118. Springer-Verlag, Berlin-Heidelberg, 2006.
- [30] Rajeev Alur and Swarat Chaudhuri. Branching pushdown tree automata. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 393–404. Springer-Verlag, Berlin-Heidelberg, 2006.
- [31] V. Álvarez, J.A. Armario, M.D. Frau, and P. Real. Comparison maps for relatively free resolutions. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 1–22. Springer-Verlag, Berlin-Heidelberg, 2006.
- [32] V. Álvarez, J.A. Armario, M.D. Frau, and P. Real. A genetic algorithm for cocyclic hadamard matrices. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'2006 (Las Vegas, NV, USA, February 20-24, 2006)*, volume 3857 of *LNCS*, pages 144–153. Springer-Verlag, Berlin-Heidelberg, 2006.
- [33] Mohamed Aly and John Augustine. Online packet admission and oblivious routing in sensor networks. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 680–689. Springer-Verlag, Berlin-Heidelberg, 2006.

- [34] Andris Ambainis, William Gasarch, Aravind Srinivasan, and Andrey Utis. Lower bounds on the deterministic and quantum communication complexities of hamming-distance problems. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 628–637. Springer-Verlag, Berlin-Heidelberg, 2006.
- [35] Andris Ambainis, Kazuo Iwama, Akinori Kawachi, Rudy Raymond, and Shigeru Yamashita. Improved algorithms for quantum identification of boolean oracles. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 280–291. Springer-Verlag, Berlin-Heidelberg, 2006.
- [36] Andris Ambainis and Robert Špalek. Quantum algorithms for matching and network flows. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 172–183. Springer-Verlag, Berlin-Heidelberg, 2006.
- [37] Christoph Ambühl and Monaldo Mastrolilli. Single machine precedence constrained scheduling is a vertex cover problem. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 28–39. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [38] Amihod Amir. Asynchronous pattern matching. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 1–10. Springer-Verlag, Berlin-Heidelberg, 2006.
- [39] Amihod Amir and Eran Chencinski. Faster two dimensional scaled matching. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 200–210. Springer-Verlag, Berlin-Heidelberg, 2006.

- [40] Amihoud Amir, Eran Chencinski, Costas Iliopoulos, Tsvi Kopelowitz, and Hui Zhang. Property matching and weighted matching. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 188–199. Springer-Verlag, Berlin-Heidelberg, 2006.
- [41] Amihoud Amir, Costas Iliopoulos, Oren Kapah, and Ely Porat. Approximate matching in weighted sequences. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 365–376. Springer-Verlag, Berlin-Heidelberg, 2006.
- [42] Mattias Andersson, Joachim Gudmundsson, and Christos Levkopoulos. Restricted mesh simplification using edge contractions. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 196–204. Springer-Verlag, Berlin-Heidelberg, 2006.
- [43] Spyros Angelopoulos. The node-weighted steiner problem in graphs of restricted node weights. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 208–219. Springer-Verlag, Berlin-Heidelberg, 2006.
- [44] Miho Aoki and Takashi Fukuda. An algorithm for computing  $p$ -class groups of abelian number fields. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of *LNCS*, pages 56–71. Springer-Verlag, Berlin-Heidelberg, 2006.
- [45] Kiyoko F. Aoki-Kinoshita, Minoru Kanehisa, Ming-Yang Kao, Xiang-Yang Li, and Weizhao Wang. A 6-approximation algorithm for computing smallest common aon-supertree with application to the reconstruction of glycan trees. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006*



- (*Kolkata, India, December 18-20, 2006*), volume 4288 of *LNCS*, pages 100–110. Springer-Verlag, Berlin-Heidelberg, 2006.
- [46] Frederik Armknecht and Matthias Krause. Constructing single- and multi-output boolean functions with maximal algebraic immunity. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 180–191. Springer-Verlag, Berlin-Heidelberg, 2006.
- [47] Amitai Armon, Adi Avidor, and Oded Schwartz. Cooperative tsp. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 40–51. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [48] Boris Aronov, Sariel Har-Peled, Christian Knauer, Yusu Wang, and Carola Wenk. Fréchet distance for curves, revisited. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 52–63. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [49] Jan Arpe and Bodo Manthey. Approximability of minimum and-circuits. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 292–303. Springer-Verlag, Berlin-Heidelberg, 2006.
- [50] Pablo Arrighi. Algebraic characterizations of unitary linear quantum cellular automata. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 122–133. Springer-Verlag, Berlin-Heidelberg, 2006.
- [51] Diego Arroyuelo, Gonzalo Navarro, and Kunihiko Sadakane. Reducing the space requirement of lz-index. In Moshe Lewenstein and Gabriel

- Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 318–329. Springer-Verlag, Berlin-Heidelberg, 2006.
- [52] V. Arvind, Bireswar Das, and Partha Mukhopadhyay. The complexity of black-box ring problems. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 126–135. Springer-Verlag, Berlin-Heidelberg, 2006.
- [53] V. Arvind, Bireswar Das, and Partha Mukhopadhyay. On isomorphism and canonization of tournaments and hypertournaments. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 449–459. Springer-Verlag, Berlin-Heidelberg, 2006.
- [54] V. Arvind and Piyush P. Kurur. A polynomial time nilpotence test for galois groups and related results. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 134–145. Springer-Verlag, Berlin-Heidelberg, 2006.
- [55] V. Arvind and Jacobo Torán. The complexity of quasigroup isomorphism and the minimum generating set problem. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 233–242. Springer-Verlag, Berlin-Heidelberg, 2006.
- [56] Vikraman Arvind and Johannes Köbler. On hypergraph and graph isomorphism with bounded color classes. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 384–395. Springer-Verlag, Berlin-Heidelberg, 2006.

- [57] Yuichi Asahiro, Tetsuya Furukawa, Keiichi Ikegami, and Eiji Miyano. How to pack directed acyclic graphs into small blocks. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 272–283. Springer-Verlag, Berlin-Heidelberg, 2006.
- [58] Mikhail J. Atallah. Security issues in collaborative computing. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 2–2. Springer-Verlag, Berlin-Heidelberg, 2006.
- [59] Vincenzo Auletta, Roberto De Prisco, Paolo Penna, Giuseppe Persiano, and Carmine Ventre. New constructions of mechanisms with verification. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 596–607. Springer-Verlag, Berlin-Heidelberg, 2006.
- [60] Giorgio Ausiello, Bruno Escoffier, Jérôme Monnot, and Vangelis Th. Paschos. Reoptimization of minimum and maximum traveling salesman's tours. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 196–207. Springer-Verlag, Berlin-Heidelberg, 2006.
- [61] David Avis, Naoki Katoh, Makoto Ohsaki, Ileana Streinu, and Shinichi Tanigawa. Enumerating non-crossing minimally rigid frameworks. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 205–215. Springer-Verlag, Berlin-Heidelberg, 2006.
- [62] Yossi Azar and Yoel Chaiutin. Optimal node routing. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 596–607. Springer-Verlag, Berlin-Heidelberg, 2006.

- [63] Yossi Azar and Nir Levy. Multiplexing packets with arbitrary deadlines in bounded buffers. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 5–16. Springer-Verlag, Berlin-Heidelberg, 2006.
- [64] Eitan Bachmat, Tao Kai Lam, and Avner Magen. A rigorous analysis for set-up time models — a metric perspective. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 387–397. Springer-Verlag, Berlin-Heidelberg, 2006.
- [65] Ralph-Johan Back. Invariant based programming. In Susanna Donatelli and P.S. Thiagarajan, editors, *Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN'2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 1–18. Springer-Verlag, Berlin-Heidelberg, 2006.
- [66] Rolf Backofen, Danny Hermelin, Gad M. Landau, and Oren Weimann. Local alignment of rna sequences with arbitrary scoring schemes. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 246–257. Springer-Verlag, Berlin-Heidelberg, 2006.
- [67] Sang Won Bae, Jae-Hoon Kim, and Kyung-Yong Chwa. Optimal construction of the city voronoi diagram. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 183–192. Springer-Verlag, Berlin-Heidelberg, 2006.
- [68] Georg Baier, Thomas Erlebach, Alexander Hall, Ekkehard Köhler, Heiko Schilling, and Martin Skutella. Length-bounded cuts and flows. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part*

- I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 679–690. Springer-Verlag, Berlin-Heidelberg, 2006.
- [69] Ittai Balaban, Amir Pnueli, and Lenore Zuck. Invisible safety of distributed protocols. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 528–539. Springer-Verlag, Berlin-Heidelberg, 2006.
- [70] Reuven Bar-Yehuda, Michael Beder, Yuval Cohen, and Dror Rawitz. Resource allocation in bounded degree trees. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 64–75. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [71] Vince Bárány. Invariants of automatic presentations and semi-synchronous transductions. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 289–300. Springer-Verlag, Berlin-Heidelberg, 2006.
- [72] Vince Bárány, Christof Löding, and Olivier Serre. Regularity problems for visibly pushdown languages. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 420–431. Springer-Verlag, Berlin-Heidelberg, 2006.
- [73] Jérémy Barbay, Alexander Golynski, J. Ian Munro, and S. Srinivasa Rao. Adaptive searching in succinctly encoded binary relations and tree-structured documents. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 24–35. Springer-Verlag, Berlin-Heidelberg, 2006.

- [74] Gill Barequet and Alina Shaikhet. The on-line heilbronn’s triangle problem in  $d$  dimensions. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON’2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 408–417. Springer-Verlag, Berlin-Heidelberg, 2006.
- [75] Miklós Bartha and Miklós Krész. Flexible matchings. In Fedor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG’2006 (Bergen, Norway, June 22-24, 2006)*, volume 4271 of *LNCS*, pages 313–324. Springer-Verlag, Berlin-Heidelberg, 2006.
- [76] Surender Baswana. Dynamic algorithms for graph spanners. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA’2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 76–87. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [77] Nicolas Baudru and Rémi Morin. The synthesis problem of netcharts. In Susanna Donatelli and P.S. Thiagarajan, editors, *Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN’2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 84–104. Springer-Verlag, Berlin-Heidelberg, 2006.
- [78] Andreas Bauer, Martin Leucker, and Christian Schallhart. Monitoring of real-time properties. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS’2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 260–272. Springer-Verlag, Berlin-Heidelberg, 2006.
- [79] Michael Bauland, Edith Hemaspaandra, Henning Schnoor, and Ilka Schnoor. Generalized modal satisfiability. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS’2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 500–511. Springer-Verlag, Berlin-Heidelberg, 2006.

- [80] Marie-Pierre Béal and Dominique Perrin. Complete codes in a sofic shift. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 127–136. Springer-Verlag, Berlin-Heidelberg, 2006.
- [81] Luca Becchetti, Peter Korteweg, Alberto Marchetti-Spaccamela, Martin Skutella, Leen Stougie, and Andrea Vitaletti. Latency constrained aggregation in sensor networks. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 88–99. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [82] Florent Becker, Ivan Rapaport, and Éric Rémila. Self-assembling classes of shapes with a minimum number of tiles, and in optimal time. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 45–56. Springer-Verlag, Berlin-Heidelberg, 2006.
- [83] Behshad Behzadi and Martin Vingron. An improved algorithm for the macro-evolutionary phylogeny problem. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 177–187. Springer-Verlag, Berlin-Heidelberg, 2006.
- [84] Richard Beigel, William Gasarch, and James Glenn. The multiparty communication complexity of exact- $t$ : Improved bounds and new problems. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 146–156. Springer-Verlag, Berlin-Heidelberg, 2006.
- [85] Michael A. Bekos, Michael Kaufmann, Katerina Potika, and Antonios Symvonis. Multi-stack boundary labeling problems. In S. Arun-Kumar

- and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 81–92. Springer-Verlag, Berlin-Heidelberg, 2006.
- [86] Michael A. Bekos and Antonios Symvonis. Bler: A Boundary Labeller for technical drawings. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 503–504. Springer-Verlag, Berlin-Heidelberg, 2006.
- [87] Ahmed Belal and Amr Elmasry. Distribution-sensitive construction of minimum-redundancy prefix codes. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 92–103. Springer-Verlag, Berlin-Heidelberg, 2006.
- [88] I.N. Belyaeva, N.A. Chekanov, A.A. Gusev, V.A. Rostovtsev, and S.I. Vinitzky. A symbolic-numeric approach for solving the eigenvalue problem for the one-dimensional schrödinger equation. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 23–32. Springer-Verlag, Berlin-Heidelberg, 2006.
- [89] Avraham Ben-Aroya and Sivan Toledo. Competitive analysis of flash-memory algorithms. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 100–111. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [90] Michael A. Bender, Jeremy T. Fineman, and Seth Gilbert. Contention resolution with heterogeneous job sizes. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13,*



- 2006), volume 4168 of *LNCS*, pages 112–123. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [91] Michael Benedikt and Christoph Koch. Interpreting tree-to-tree queries. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 552–564. Springer-Verlag, Berlin-Heidelberg, 2006.
- [92] Fredrik Bengtsson and Jingsen Chen. Computing maximum-scoring segments in almost linear time. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 255–264. Springer-Verlag, Berlin-Heidelberg, 2006.
- [93] Marc Benkert, Joachim Gudmundsson, Florian Hübner, and Thomas Wolle. Reporting flock patterns. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 660–671. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [94] Marc Benkert, Joachim Gudmundsson, Christian Knauer, Esther Moet, René van Oostrum, and Alexander Wolff. A polynomial-time approximation algorithm for a geometric dispersion problem. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 166–175. Springer-Verlag, Berlin-Heidelberg, 2006.
- [95] Ainhoa Berciano, María José Jiménez, and Pedro Real. Reducing computational costs in the basic perturbation lemma. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 33–48. Springer-Verlag, Berlin-Heidelberg, 2006.

- [96] Sergey Bereg, Ovidiu Daescu, and Minghui Jiang. A ptas for cutting out polygons with lines. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 176–185. Springer-Verlag, Berlin-Heidelberg, 2006.
- [97] Robin Bergenthum, Jörg Desel, Gabriel Juhás, and Robert Lorenz. Can i execute my scenario in your net? viptool tells you! In Susanna Donatelli and P.S. Thiagarajan, editors, *Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN'2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 381–390. Springer-Verlag, Berlin-Heidelberg, 2006.
- [98] Rudolf Berghammer. Solving algorithmic problems on orders and lattices by relation algebra and relview. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 49–63. Springer-Verlag, Berlin-Heidelberg, 2006.
- [99] Robert Berke and Tibor Szabó. Deciding relaxed two-colorability — a hardness jump. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 124–135. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [100] Jean-Claude Bermond, Ricardo Corrêa, and Minli Yu. Gathering algorithms on paths under interference constraints. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 115–126. Springer-Verlag, Berlin-Heidelberg, 2006.
- [101] Jean Berstel and Alessandra Savelli. Crochemore factorization of sturmian and other infinite words. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará*

- Lesná, Slovakia, August 28 - September 1, 2006*), volume 4162 of *LNCS*, pages 157–166. Springer-Verlag, Berlin-Heidelberg, 2006.
- [102] Dietmar Berwanger, Anuj Dawar, Paul Hunter, and Stephan Kreutzer. Dag-width and parity games. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 524–536. Springer-Verlag, Berlin-Heidelberg, 2006.
- [103] Ivona Bezáková, Alistair Sinclair, Daniel Štefankovič, and Eric Vigoda. Negative examples for sequential importance sampling of binary contingency tables. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 136–147. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [104] Binay Bhattacharya, Yuzhuang Hu, Qiaosheng Shi, and Arie Tamir. Optimal algorithms for the path/tree-shaped facility location problems in trees. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 379–388. Springer-Verlag, Berlin-Heidelberg, 2006.
- [105] Lakshminath Bhuvanagiri and Sumit Ganguly. Estimating entropy over data streams. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 148–159. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [106] Iwona Bialynicka-Birula and Roberto Grossi. Amortized rigidity in dynamic cartesian trees. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 80–91. Springer-Verlag, Berlin-Heidelberg, 2006.
- [107] Therese Biedl, Franz J. Brandenburg, and Xiaotie Deng. Crossings and permutations. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing*,

*GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg, 2006.

- [108] Therese Biedl, Anna Lubiw, and Michael J. Spriggs. Morphing planar graphs while preserving edge directions. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 13–24. Springer-Verlag, Berlin-Heidelberg, 2006.
- [109] Mustafa Bilgic, Louis Licamele, Lise Getoor, and Ben Shneiderman. D-dupe: An interactive tool for entity resolution in social networks. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 505–507. Springer-Verlag, Berlin-Heidelberg, 2006.
- [110] Philip Bille. New algorithms for regular expression matching. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 643–654. Springer-Verlag, Berlin-Heidelberg, 2006.
- [111] Philip Bille and Inge Li Gørtz. Matching subsequences in trees. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 248–259. Springer-Verlag, Berlin-Heidelberg, 2006.
- [112] Andreas Björklund and Thore Husfeldt. Exact algorithms for exact satisfiability and number of perfect matchings. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 548–559. Springer-Verlag, Berlin-Heidelberg, 2006.
- [113] Eric Blais and Mathieu Blanchette. Common substrings in random strings. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings*

- of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006), volume 4009 of LNCS, pages 129–140. Springer-Verlag, Berlin-Heidelberg, 2006.
- [114] F. Blanchet-Sadri, D. Dakota Blair, and Rebeca V. Lewis. Equations on partial words. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of LNCS, pages 167–178. Springer-Verlag, Berlin-Heidelberg, 2006.
- [115] Yvonne Bleischwitz and Burkhard Monien. Fair cost-sharing methods for scheduling jobs on parallel machines. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of LNCS, pages 175–186. Springer-Verlag, Berlin-Heidelberg, 2006.
- [116] Guy E. Blelloch, Kedar Dhamdhere, Eran Halperin, R. Ravi, Russell Schwartz, and Srinath Sridhar. Fixed parameter tractability of binary near-perfect phylogenetic tree reconstruction. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of LNCS, pages 667–678. Springer-Verlag, Berlin-Heidelberg, 2006.
- [117] Werner Bley and Robert Boltje. Computation of locally free class groups. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of LNCS, pages 72–86. Springer-Verlag, Berlin-Heidelberg, 2006.
- [118] Henrik Blunck and Jan Vahrenhold. In-place algorithms for computing (layers of) maxima. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of LNCS, pages 363–374. Springer-Verlag, Berlin-Heidelberg, 2006.

- [119] Henrik Blunck and Jan Vahrenhold. In-place randomized slope selection. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 30–41. Springer-Verlag, Berlin-Heidelberg, 2006.
- [120] Hans-Joachim Böckenhauer, Juraĵ Hromkoviĉ, Joachim Kneis, and Joachim Kupke. On the approximation hardness of some generalizations of tsp. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 184–195. Springer-Verlag, Berlin-Heidelberg, 2006.
- [121] Olivier Bodini and Eric Rivals. Tiling an interval of the discrete line. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 117–128. Springer-Verlag, Berlin-Heidelberg, 2006.
- [122] Manuel Bodirsky and Víctor Dalmau. Datalog and constraint satisfaction with infinite templates. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 646–659. Springer-Verlag, Berlin-Heidelberg, 2006.
- [123] Hans L. Bodlaender. Treewidth: Characterizations, applications, and computations. In Fedor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2006 (Bergen, Norway, June 22-24, 2006)*, volume 4271 of *LNCS*, pages 1–14. Springer-Verlag, Berlin-Heidelberg, 2006.
- [124] Hans L. Bodlaender, Fedor V. Fomin, Arie M.C.A. Koster, Dieter Kratsch, and Dimitrios M. Thilikos. On exact algorithms for treewidth. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 672–683. Springer-Verlag, Berlin-Heidelberg-New York, 2006.

- [125] Marco Bodrato and Alberto Zanoni. Intervals, syzygies, numerical gröbner bases: A mixed study. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 64–76. Springer-Verlag, Berlin-Heidelberg, 2006.
- [126] Mikołaj Bojańczyk, Mathias Samuelides, Thomas Schwentick, and Luc Segoufin. Expressive power of pebble automata. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 157–168. Springer-Verlag, Berlin-Heidelberg, 2006.
- [127] Piero A. Bonatti, Carsten Lutz, Aniello Murano, and Moshe Y. Vardi. The complexity of enriched  $\mu$ -calculi. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 540–551. Springer-Verlag, Berlin-Heidelberg, 2006.
- [128] Vincenzo Bonifaci, Peter Korteweg, Alberto Marchetti-Spaccamela, and Leen Stougie. An approximation algorithm for the wireless gathering problem. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 328–338. Springer-Verlag, Berlin-Heidelberg, 2006.
- [129] Paola Bonizzoni, Gianluca Della Vedova, Riccardo Dondi, and Giancarlo Mauri. Fingerprint clustering with bounded number of missing values. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 106–116. Springer-Verlag, Berlin-Heidelberg, 2006.
- [130] Olivier Bonnet-Torrés, Patrice Domenech, Charles Lesire, and Catherine Tessier. Exhaust-pipe: Pipe extended for two classes of monitoring petri nets. In Susanna Donatelli and P.S. Thiagarajan, editors,

- Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN'2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 391–400. Springer-Verlag, Berlin-Heidelberg, 2006.
- [131] Flavio Bonomi, Michael Mitzenmacher, Rina Panigrahy, Sushil Singh, and George Varghese. An improved construction for counting bloom filters. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 684–695. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [132] Magnus Bordewich, Martin Dyer, and Marek Karpinski. Stopping times, metrics and approximate counting. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 108–119. Springer-Verlag, Berlin-Heidelberg, 2006.
- [133] Michele Boreale. Quantifying information leakage in process calculi. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 119–131. Springer-Verlag, Berlin-Heidelberg, 2006.
- [134] M. Borges-Quintana, M.A. Borges-Trenard, and E. Martínez-Moro. A general framework for applying fglm techniques to linear codes. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'2006 (Las Vegas, NV, USA, February 20-24, 2006)*, volume 3857 of *LNCS*, pages 76–86. Springer-Verlag, Berlin-Heidelberg, 2006.
- [135] V.P. Borunov, Yu.A. Ryabov, and O.V. Surkov. Application of computer algebra for construction of quasi-periodic solutions for restricted circular planar three body problem. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing,*



*CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 77–88. Springer-Verlag, Berlin-Heidelberg, 2006.

- [136] Prosenjit Bose, Michiel Smid, and Daming Xu. Diamond triangulations contain spanners of bounded degree. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 173–182. Springer-Verlag, Berlin-Heidelberg, 2006.
- [137] Nigel Boston and Harris Nover. Computing pro- $p$  galois groups. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of *LNCS*, pages 1–10. Springer-Verlag, Berlin-Heidelberg, 2006.
- [138] Gérard Boudol. Shared-variable concurrency: A proposal. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 1–3. Springer-Verlag, Berlin-Heidelberg, 2006.
- [139] Patricia Bouyer, Serge Haddad, and Pierre-Alain Reynier. Timed petri nets and timed automata: On the discriminating power of zeno sequences. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 420–431. Springer-Verlag, Berlin-Heidelberg, 2006.
- [140] Patricia Bouyer, Kim G. Larsen, Nicolas Markey, and Jacob Illum Rasmussen. Almost optimal strategies in one clock priced timed games. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 345–356. Springer-Verlag, Berlin-Heidelberg, 2006.

- [141] Joan Boyar and Lene M. Favrholdt. Scheduling jobs on grid processors. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 17–28. Springer-Verlag, Berlin-Heidelberg, 2006.
- [142] Joan Boyar and René Peralta. Concrete multiplicative complexity of symmetric functions. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 179–189. Springer-Verlag, Berlin-Heidelberg, 2006.
- [143] John M. Boyer. A new method for efficiently generating planar graph visibility representations. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 508–511. Springer-Verlag, Berlin-Heidelberg, 2006.
- [144] Laurent Boyer, Victor Poupet, and Guillaume Theyssier. On the complexity of limit sets of cellular automata associated with probability measures. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 190–201. Springer-Verlag, Berlin-Heidelberg, 2006.
- [145] Marius Bozga, Radu Iosif, and Yassine Lakhnech. Flat parametric counter automata. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 577–588. Springer-Verlag, Berlin-Heidelberg, 2006.
- [146] Laura Bozzelli, Mojmír Křetínský, Vojtěch Řehák, and Jan Strejček. On decidability of ltl model checking for process rewrite systems. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and*

*Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 248–259. Springer-Verlag, Berlin-Heidelberg, 2006.

- [147] Cristiana Bragalli, Claudia D'Ambrosio, Jon Lee, Andrea Lodi, and Paolo Toth. An minlp solution method for a water network problem. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 696–707. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [148] Ulrik Brandes, Daniel Fleischer, and Thomas Puppe. Dynamic spectral layout of small worlds. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 25–36. Springer-Verlag, Berlin-Heidelberg, 2006.
- [149] Ulrik Brandes and Jürgen Lerner. Coloring random 3-colorable graphs with non-uniform edge probabilities. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 202–213. Springer-Verlag, Berlin-Heidelberg, 2006.
- [150] Andreas Brandstädt, Feodor F. Dragan, Yang Xiang, and Chenyu Yan. Generalized powers of graphs and their algorithmic use. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 423–434. Springer-Verlag, Berlin-Heidelberg, 2006.
- [151] Broňa Brejová, Daniel G. Brown, Ian M. Harrower, and Tomáš Vinař. New bounds for motif finding in strong instances. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 94–105. Springer-Verlag, Berlin-Heidelberg, 2006.
- [152] David Bremner, Timothy M. Chan, Erik D. Demaine, Jeff Erickson, Ferran Hurtado, John Iacono, Stefan Langerman, and Perouz

- Taslakian. Necklaces, convolutions, and  $x + y$ . In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 160–171. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [153] Patrick Briest and Christian Gunia. Energy-efficient broadcast scheduling for speed-controlled transmission channels. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 670–679. Springer-Verlag, Berlin-Heidelberg, 2006.
- [154] Gerth Stølting Brodal, Kanela Kaligosi, Irit Katriel, and Martin Kutz. Faster algorithms for computing longest common increasing subsequences. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 330–341. Springer-Verlag, Berlin-Heidelberg, 2006.
- [155] Gerth Stølting Brodal, Christos Makris, and Kostas Tsichlas. Purely functional worst case constant time catenable sorted lists. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 172–183. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [156] Gerth Stølting Brodal and Gabriel Moruz. Skewed binary search trees. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 708–719. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [157] H.J. Broersma, A. Capponi, and D. Paulusma. On-line coloring of  $h$ -free bipartite graphs. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 284–295. Springer-Verlag, Berlin-Heidelberg, 2006.

- [158] Christopher W. Brown and Christian Gross. Efficient preprocessing methods for quantifier elimination. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 89–100. Springer-Verlag, Berlin-Heidelberg, 2006.
- [159] Roberto Bruni and Hernán Melgratti. Non-sequential behaviour of dynamic nets. In Susanna Donatelli and P.S. Thiagarajan, editors, *Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN'2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 105–124. Springer-Verlag, Berlin-Heidelberg, 2006.
- [160] Christoph Buchheim, Dietmar Ebner, Michael Jünger, Gunnar W. Klau, Petra Mutzel, and René Weiskircher. Exact crossing minimization. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 37–48. Springer-Verlag, Berlin-Heidelberg, 2006.
- [161] Christoph Buchheim, Michael Jünger, Annette Menze, and Merijam Percan. Bimodal crossing minimization. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 497–506. Springer-Verlag, Berlin-Heidelberg, 2006.
- [162] Christoph Buchheim and Lanbo Zheng. Fixed linear crossing minimization by reduction to the maximum cut problem. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 507–516. Springer-Verlag, Berlin-Heidelberg, 2006.
- [163] Johannes Buchmann and Christoph Ludwig. Practical lattice basis sampling reduction. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28,*

- 2006), volume 4076 of *LNCS*, pages 222–237. Springer-Verlag, Berlin-Heidelberg, 2006.
- [164] Harry Buhrman, Leen Torenvliet, and Falk Unger. Sparse selfreducible sets and polynomial size circuit lower bounds. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 455–468. Springer-Verlag, Berlin-Heidelberg, 2006.
- [165] B.-M. Bui Xuan, M. Habib, V. Limouzy, and F. de Montgolfier. Homogeneity vs. adjacency: Generalising some graph decomposition algorithms. In Fedor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2006 (Bergen, Norway, June 22-24, 2006)*, volume 4271 of *LNCS*, pages 278–288. Springer-Verlag, Berlin-Heidelberg, 2006.
- [166] S. Cabello, H. Haverkort, M. van Kreveld, and B. Speckmann. Algorithmic aspects of proportional symbol maps. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 720–731. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [167] Thierry Cachat. Tree automata make ordinal theory easy. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 285–296. Springer-Verlag, Berlin-Heidelberg, 2006.
- [168] Jin-Yi Cai and Vinay Choudhary. Some results on matchgates and holographic algorithms. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 703–714. Springer-Verlag, Berlin-Heidelberg, 2006.
- [169] Gruia Calinescu and Michael Pelsmajer. Fast edge colorings with fixed number of colors to minimize imbalance. In S. Arun-Kumar and Naveen

- Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 117–128. Springer-Verlag, Berlin-Heidelberg, 2006.
- [170] Javier Campos and José Merseguer. On the integration of uml and petri nets in software development. In Susanna Donatelli and P.S. Thiagarajan, editors, *Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN'2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 19–36. Springer-Verlag, Berlin-Heidelberg, 2006.
- [171] Ioannis Caragiannis, Michele Flammini, Christos Kaklamanis, Panagiotis Kanellopoulos, and Luca Moscardelli. Tight bounds for selfish and greedy load balancing. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 311–322. Springer-Verlag, Berlin-Heidelberg, 2006.
- [172] Ioannis Caragiannis, Christos Kaklamanis, and Panagiotis Kanellopoulos. Taxes for linear atomic congestion games. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 184–195. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [173] Arnaud Carayol and Didier Caucal. The kleene equality for graphs. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 214–225. Springer-Verlag, Berlin-Heidelberg, 2006.
- [174] Claude Carlet. On bent and highly nonlinear balanced/resilient functions and their algebraic immunities. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'2006 (Las Vegas, NV, USA, February 20-*

- 24, 2006), volume 3857 of *LNCS*, pages 1–28. Springer-Verlag, Berlin-Heidelberg, 2006.
- [175] Josiah Carlson and David Eppstein. The weighted maximum-mean subtree and other bicriterion subtree problems. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 400–410. Springer-Verlag, Berlin-Heidelberg, 2006.
- [176] Arturo Carpi. On the repetition threshold for large alphabets. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 226–237. Springer-Verlag, Berlin-Heidelberg, 2006.
- [177] Douglas E. Carroll, Ashish Goel, and Adam Meyerson. Embedding bounded bandwidth graphs into  $l_1$ . In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 27–37. Springer-Verlag, Berlin-Heidelberg, 2006.
- [178] A. Casian, R. Dusciac, V. Dusciac, and V. Patsiuk. Symbolic and numerical calculation of transport integrals for some organic crystals. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 101–108. Springer-Verlag, Berlin-Heidelberg, 2006.
- [179] Francis N. Castro, Ernesto Gomez, and Oscar Moreno. A class of fermat curves for which weil-serre's bound can be improved. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'2006 (Las Vegas, NV, USA, February 20-24, 2006)*, volume 3857 of *LNCS*, pages 128–135. Springer-Verlag, Berlin-Heidelberg, 2006.



- [180] Venkatesan T. Chakaravarthy and Sambuddha Roy. Oblivious symmetric alternation. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 230–241. Springer-Verlag, Berlin-Heidelberg, 2006.
- [181] Amit Chakrabarti, Khanh Do Ba, and S. Muthukrishnan. Estimating entropy and entropy norm on data streams. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 196–205. Springer-Verlag, Berlin-Heidelberg, 2006.
- [182] Deeparnab Chakrabarty, Aranyak Mehta, and Vijay V. Vazirani. Design is as easy as optimization. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 477–488. Springer-Verlag, Berlin-Heidelberg, 2006.
- [183] Sourav Chakraborty, Jaikumar Radhakrishnan, Nandakumar Raghunathan, and Prashant Sasatte. Zero error list-decoding capacity of the  $q/(q - 1)$  channel. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 129–138. Springer-Verlag, Berlin-Heidelberg, 2006.
- [184] Tanmoy Chakraborty and Samir Datta. One-input-face mpcvp is hard for  $l$ , but in logdcfl. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 57–68. Springer-Verlag, Berlin-Heidelberg, 2006.
- [185] Jérémie Chalopin and Daniël Paulusma. Graph labelings derived from models in distributed computing. In Fedor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2006 (Bergen, Norway, June 22-24,*

- 2006), volume 4271 of *LNCS*, pages 301–312. Springer-Verlag, Berlin-Heidelberg, 2006.
- [186] Ho-Leung Chan, Tak-Wah Lam, Wing-Kin Sung, Siu-Lung Tam, and Swee-Seong Wong. Compressed indexes for approximate string matching. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 208–219. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [187] Ho-Leung Chan, Tak-Wah Lam, Wing-Kin Sung, Siu-Lung Tam, and Swee-Seong Wong. A linear size index for approximate pattern matching. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 49–59. Springer-Verlag, Berlin-Heidelberg, 2006.
- [188] Joseph Wun-Tat Chan, Francis Y.L. Chin, Deshi Ye, Yong Zhang, and Hong Zhu. Frequency allocation problems for linear cellular networks. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 61–70. Springer-Verlag, Berlin-Heidelberg, 2006.
- [189] T.-H. Hubert Chan, Michael Dinitz, and Anupam Gupta. Spanners with slack. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 196–207. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [190] Wun-Tat Chan, Prudence W.H. Wong, and Fencol C.C. Yung. On dynamic bin packing: An improved lower bound and resource augmentation analysis. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 309–319. Springer-Verlag, Berlin-Heidelberg, 2006.
- [191] David B. Chandler, Maw-Shang Chang, Ton Kloks, Jiping Liu, and Sheng-Lung Peng. Partitioned probe comparability graphs. In Fe-

- dor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2006 (Bergen, Norway, June 22-24, 2006)*, volume 4271 of *LNCS*, pages 179–190. Springer-Verlag, Berlin-Heidelberg, 2006.
- [192] L. Sunil Chandran and Naveen Sivadasan. Geometric representation of graphs in low dimension. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 398–407. Springer-Verlag, Berlin-Heidelberg, 2006.
- [193] Maw-Shang Chang, Ming-Tat Ko, and Hsueh-I Lu. Linear-time algorithms for tree root problems. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 411–422. Springer-Verlag, Berlin-Heidelberg, 2006.
- [194] Wen-Chieh Chang and Oliver Eulenstein. Reconciling gene trees with apparent polytomies. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 235–244. Springer-Verlag, Berlin-Heidelberg, 2006.
- [195] Thomas Chatain and Claude Jard. Complete finite prefixes of symbolic unfoldings of safe time petri nets. In Susanna Donatelli and P.S. Thiagarajan, editors, *Proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN'2006 (Turku, Finland, June 26-30, 2006)*, volume 4024 of *LNCS*, pages 125–145. Springer-Verlag, Berlin-Heidelberg, 2006.
- [196] Krishnendu Chatterjee and Thomas A. Henzinger. Strategy improvement and randomized subexponential algorithms for stochastic parity games. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 512–523. Springer-Verlag, Berlin-Heidelberg, 2006.

- [197] Krishnendu Chatterjee, Rupak Majumdar, and Thomas A. Henzinger. Markov decision processes with multiple objectives. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 325–336. Springer-Verlag, Berlin-Heidelberg, 2006.
- [198] Kamalika Chaudhuri, Satish Rao, Samantha Riesenfeld, and Kunal Talwar. A push-relabel algorithm for approximating degree bounded msts. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 191–201. Springer-Verlag, Berlin-Heidelberg, 2006.
- [199] Chao-Yu Chen, Chung-Hsuan Wang, and Chi-chao Chao. Complementary sets and reed-muller codes for peak-to-average power ratio reduction in ofdm. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'2006 (Las Vegas, NV, USA, February 20-24, 2006)*, volume 3857 of *LNCS*, pages 317–327. Springer-Verlag, Berlin-Heidelberg, 2006.
- [200] Danny Z. Chen, Rudolf Fleischer, Jian Li, Haitao Wang, and Hong Zhu. Traversing the machining graph. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 220–231. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [201] Danny Z. Chen, Rudolf Fleischer, Jian Li, Zhiyi Xie, and Hong Zhu. On approximating the maximum simple sharing problem. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 547–556. Springer-Verlag, Berlin-Heidelberg, 2006.
- [202] Danny Z. Chen, Xiaobo S. Hu, Shuang Luan, Ewa Misiołek, and Chao Wang. Shape rectangularization problems in intensity-modulated ra-

- diation therapy. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 701–711. Springer-Verlag, Berlin-Heidelberg, 2006.
- [203] Danny Z. Chen and Chao Wang. Field splitting problems in intensity-modulated radiation therapy. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 690–700. Springer-Verlag, Berlin-Heidelberg, 2006.
- [204] Jianer Chen, Iyad A. Kanj, and Ge Xia. Improved parameterized upper bounds for vertex cover. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 238–249. Springer-Verlag, Berlin-Heidelberg, 2006.
- [205] Xi Chen and Xiaotie Deng. On the complexity of 2d discrete fixed point problem. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 489–500. Springer-Verlag, Berlin-Heidelberg, 2006.
- [206] Xi Chen and Xiaotie Deng. A simplicial approach for discrete fixed point theorems. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 3–12. Springer-Verlag, Berlin-Heidelberg, 2006.
- [207] Xi Chen, Xiaotie Deng, and Becky Jie Liu. On incentive compatible competitive selection protocol. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 13–22. Springer-Verlag, Berlin-Heidelberg, 2006.

- [208] Xin Chen, Lan Liu, Zheng Liu, and Tao Jiang. On the minimum common integer partition problem. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 236–247. Springer-Verlag, Berlin-Heidelberg, 2006.
- [209] Zhixiang Chen, Richard H. Fowler, Bin Fu, and Binhai Zhu. Lower bounds on the approximation of the exemplar conserved interval distance problem of genomes. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 245–254. Springer-Verlag, Berlin-Heidelberg, 2006.
- [210] Ho-Lun Cheng and Xinwei Shi. Quality tetrahedral mesh generation for macromolecules. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 203–212. Springer-Verlag, Berlin-Heidelberg, 2006.
- [211] Qi Cheng. On comparing sums of square roots of small integers. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 250–255. Springer-Verlag, Berlin-Heidelberg, 2006.
- [212] A. Cherubini, P. Gawrychowski, A. Kisielewicz, and B. Piochi. A combinatorial approach to collapsing words. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 256–266. Springer-Verlag, Berlin-Heidelberg, 2006.
- [213] Fabrice Chevalier, Deepak D'Souza, and Pavithra Prabhakar. On continuous timed automata with input-determined guards. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December*

- 13-15, 2006), volume 4337 of *LNCS*, pages 369–380. Springer-Verlag, Berlin-Heidelberg, 2006.
- [214] Dmytro Chibisov, Victor Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov. On the provably tight approximation of optimal meshing for non-convex regions. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 109–128. Springer-Verlag, Berlin-Heidelberg, 2006.
- [215] Miroslav Chlebík and Janka Chlebíková. Inapproximability results for orthogonal rectangle packing problems with rotations. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 199–210. Springer-Verlag, Berlin-Heidelberg, 2006.
- [216] Dae-Sik Choi and In-Chan Choi. On the effectiveness of the linear programming relaxation of the 0-1 multi-commodity minimum cost network flow problem. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 517–526. Springer-Verlag, Berlin-Heidelberg, 2006.
- [217] George Christodoulou, Vahab S. Mirrokni, and Anastasios Sidiropoulos. Convergence and approximation in potential games. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 349–360. Springer-Verlag, Berlin-Heidelberg, 2006.
- [218] Yun-Sheng Chung, Chin Lung Lu, and Chuan Yi Tang. Efficient algorithms for regular expression constrained sequence alignment. In Moshe Lewenstein and Gabriel Valiente, editors, *Proceedings of the 17th Annual Symposium on Combinatorial Pattern Matching, CPM'2006 (Barcelona, Spain, July 5-7, 2006)*, volume 4009 of *LNCS*, pages 389–400. Springer-Verlag, Berlin-Heidelberg, 2006.

- [219] Ferdinando Cicalese, Fredrik Manne, and Qin Xin. Faster centralized communication in radio networks. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 339–348. Springer-Verlag, Berlin-Heidelberg, 2006.
- [220] Ali Civril, Malik Magdon-Ismael, and Eli Bocek-Rivele. Sde: Graph drawing using spectral distance embedding. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 512–513. Springer-Verlag, Berlin-Heidelberg, 2006.
- [221] Bruno Codenotti, Mauro Leoncini, and Giovanni Resta. Efficient computation of nash equilibria for very sparse win-lose bimatrix games. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 232–243. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [222] Bruno Codenotti, Luis Rademacher, and Kasturi Varadarajan. Computing equilibrium prices in exchange economies with tax distortions. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 584–595. Springer-Verlag, Berlin-Heidelberg, 2006.
- [223] Johanne Cohen, Fedor Fomin, Pinar Heggernes, Dieter Kratsch, and Gregory Kucherov. Optimal linear arrangement of interval graphs. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 267–279. Springer-Verlag, Berlin-Heidelberg, 2006.
- [224] Reuven Cohen and David Peleg. Convergence of autonomous mobile robots with inaccurate sensors and movements. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium*



on *Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 549–560. Springer-Verlag, Berlin-Heidelberg, 2006.

- [225] Amin Coja-Oghlan. An adaptive spectral heuristic for partitioning random graphs. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 691–702. Springer-Verlag, Berlin-Heidelberg, 2006.
- [226] Amin Coja-Oghlan and André Lanka. The spectral gap of random graphs with given expected degrees. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 15–26. Springer-Verlag, Berlin-Heidelberg, 2006.
- [227] Svetlana Cojocaru, Ludmila Malahova, and Alexander Colesnicov. Providing modern software environments to computer algebra systems. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 129–140. Springer-Verlag, Berlin-Heidelberg, 2006.
- [228] Richard Cole, Tsvi Kopelowitz, and Moshe Lewenstein. Suffix trays and suffix trists: Structures for faster text indexing. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 358–369. Springer-Verlag, Berlin-Heidelberg, 2006.
- [229] Drue Coles. On constructing ag codes without basis functions for riemann-roch spaces. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes*,

- AAECC'2006 (Las Vegas, NV, USA, February 20-24, 2006)*, volume 3857 of *LNCS*, pages 108–117. Springer-Verlag, Berlin-Heidelberg, 2006.
- [230] Roberto Cominetti, José R. Correa, and Nicolás E. Stier-Moses. Network games with atomic players. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 525–536. Springer-Verlag, Berlin-Heidelberg, 2006.
- [231] Sorin Constantinescu and Lucian Ilie. The lempel-ziv complexity of fixed points of morphisms. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 280–291. Springer-Verlag, Berlin-Heidelberg, 2006.
- [232] Gennaro Cordasco and Luisa Gargano. How much independent should individual contacts be to form a small-world? In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 328–338. Springer-Verlag, Berlin-Heidelberg, 2006.
- [233] Ricardo Corin and Jerry den Hartog. A probabilistic hoare-style logic for game-based cryptographic proofs. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 252–263. Springer-Verlag, Berlin-Heidelberg, 2006.
- [234] José R. Correa, Cristina G. Fernandes, and Yoshiko Wakabayashi. Approximating rational objectives is as easy as approximating linear ones. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 351–362. Springer-Verlag, Berlin-Heidelberg, 2006.

- [235] Pier Francesco Cortese, Giuseppe Di Battista, Maurizio Patrignani, and Maurizio Pizzonia. On embedding a cycle in a plane graph. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 49–60. Springer-Verlag, Berlin-Heidelberg, 2006.
- [236] Véronique Cortier, Steve Kremer, Ralf Küsters, and Bogdan Warinschi. Computationally sound symbolic secrecy in the presence of hash functions. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 176–187. Springer-Verlag, Berlin-Heidelberg, 2006.
- [237] Sylvain Coulonges. Circular-perfect concave-round graphs. In Fedor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2006 (Bergen, Norway, June 22-24, 2006)*, volume 4271 of *LNCS*, pages 348–355. Springer-Verlag, Berlin-Heidelberg, 2006.
- [238] Vincent Cremet, François Garillot, Sergueï Lenglet, and Martin Odersky. A core calculus for scala type checking. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 1–23. Springer-Verlag, Berlin-Heidelberg, 2006.
- [239] John Cremona. The elliptic curve database for conductors to 130000. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of *LNCS*, pages 11–29. Springer-Verlag, Berlin-Heidelberg, 2006.
- [240] John Cremona and Samir Siksek. Computing a lower bound for the canonical height on elliptic curves over  $Q$ . In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of *LNCS*, pages 275–286. Springer-Verlag, Berlin-Heidelberg, 2006.

- [241] Yang Cui, Kazukuni Kobara, and Hideki Imai. On achieving chosen ciphertext security with decryption errors. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 16th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAIECC'2006 (Las Vegas, NV, USA, February 20-24, 2006)*, volume 3857 of *LNCS*, pages 173–182. Springer-Verlag, Berlin-Heidelberg, 2006.
- [242] Andrew R. Curtis, Clemente Izurieta, Benson Joeris, Scott Lundberg, and Ross M. McConnell. An implicit representation of chordal comparability graphs in linear-time. In Fedor V. Fomin, editor, *Proceedings of the 32nd International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2006 (Bergen, Norway, June 22-24, 2006)*, volume 4271 of *LNCS*, pages 168–178. Springer-Verlag, Berlin-Heidelberg, 2006.
- [243] Andrzej Czygrinow and Michał Hańćkowiak. Distributed almost exact approximations for minor-closed families. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 244–255. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [244] Andrzej Czygrinow, Michał Hańćkowiak, and Edyta Szymańska. Distributed approximation algorithms for planar graphs. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 296–307. Springer-Verlag, Berlin-Heidelberg, 2006.
- [245] Peter Damaschke. Fixed-parameter tractable generalizations of cluster editing. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 344–355. Springer-Verlag, Berlin-Heidelberg, 2006.
- [246] Mirela Damian, Robin Y. Flatland, and Joseph O'Rourke. Grid vertex-unfolding orthogonal polyhedra. In Bruno Durand and Wolfgang

- Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 264–276. Springer-Verlag, Berlin-Heidelberg, 2006.
- [247] Vincent Danos, Elham Kashefi, and Prakash Panangaden. The one way to quantum computation. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 13–21. Springer-Verlag, Berlin-Heidelberg, 2006.
- [248] Evgeny Dantsin, Edward A. Hirsch, and Alexander Wolpert. Clause shortening combined with pruning yields a new upper bound for deterministic sat algorithms. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 60–68. Springer-Verlag, Berlin-Heidelberg, 2006.
- [249] Shantanu Das, Paola Flocchini, Amiya Nayak, and Nicola Santoro. Effective elections for anonymous mobile agents. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 732–743. Springer-Verlag, Berlin-Heidelberg, 2006.
- [250] Anirban Dasgupta, John Hopcroft, Ravi Kannan, and Pradipta Mitra. Spectral clustering by recursive partitioning. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 256–267. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [251] Constantinos Daskalakis, Alex Fabrikant, and Christos H. Papadimitriou. The game world is flat: The complexity of nash equilibria in succinct games. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part*

- I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 513–524. Springer-Verlag, Berlin-Heidelberg, 2006.
- [252] Christian Dax, Martin Hofmann, and Martin Lange. A proof system for the linear time  $\mu$ -calculus. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 273–284. Springer-Verlag, Berlin-Heidelberg, 2006.
- [253] Alice M. Dean, William Evans, Ellen Gethner, Joshua D. Laison, Mohammad Ali Safari, and William T. Trotter. Bar  $k$ -visibility graphs: Bounds on the number of edges, chromatic number, and thickness. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 73–82. Springer-Verlag, Berlin-Heidelberg, 2006.
- [254] Brian C. Dean, Michel X. Goemans, and Nicole Immorlica. Finite termination of "augmenting path" algorithms in the presence of irrational problem data. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 268–279. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [255] Isabelle Déchène. Arithmetic of generalized jacobians. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of *LNCS*, pages 421–435. Springer-Verlag, Berlin-Heidelberg, 2006.
- [256] Stéphanie Delaune, Pascal Lafourcade, Denis Lugiez, and Ralf Treinen. Symbolic protocol analysis in presence of a homomorphism operator and exclusive or. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 132–143. Springer-Verlag, Berlin-Heidelberg, 2006.

- [257] Erik D. Demaine. Origami, linkages, and polyhedra: Folding with algorithms. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [258] Erik D. Demaine, MohammadTaghi Hajiaghayi, and Ken-ichi Kawarabayashi. Algorithmic graph minor theory: Improved grid minor bounds and wagner’s contraction. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 3–15. Springer-Verlag, Berlin-Heidelberg, 2006.
- [259] C. Demetrescu, P. Faruolo, G.F. Italiano, and M. Thorup. Does path cleaning help in dynamic all-pairs shortest paths? In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 732–743. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [260] Alexander W. Dent and Steven D. Galbraith. Hidden pairings and trapdoor ddd groups. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of *LNCS*, pages 436–451. Springer-Verlag, Berlin-Heidelberg, 2006.
- [261] Josée Desharnais, François Laviolette, and Sami Zhioua. Testing probabilistic equivalence through reinforcement learning. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 236–247. Springer-Verlag, Berlin-Heidelberg, 2006.
- [262] Jean-Marc Deshouillers, François Hennecart, and Bernard Landreau. On the density of sums of three cubes. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany,*

- July 23-28, 2006*), volume 4076 of *LNCS*, pages 141–155. Springer-Verlag, Berlin-Heidelberg, 2006.
- [263] Olivier Devillers, Hazel Everett, Sylvain Lazard, Maria Pentcheva, and Stephen K. Wismath. Drawing  $k_n$  in three dimensions with one bend per edge. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 83–88. Springer-Verlag, Berlin-Heidelberg, 2006.
- [264] Tamal Dey and Jian Sun. Normal and feature approximations from noisy point clouds. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 21–32. Springer-Verlag, Berlin-Heidelberg, 2006.
- [265] Tamal K. Dey. Delaunay meshing of surfaces. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 2–2. Springer-Verlag, Berlin-Heidelberg, 2006.
- [266] Giuseppe Di Battista and Fabrizio Frati. Small area drawings of outerplanar graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 89–100. Springer-Verlag, Berlin-Heidelberg, 2006.
- [267] Emilio Di Giacomo, Walter Didimo, Luca Grilli, and Giuseppe Liotta. Whatsonweb: Using graph drawing to search the web. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 480–491. Springer-Verlag, Berlin-Heidelberg, 2006.
- [268] Emilio Di Giacomo, Giuseppe Liotta, Henk Meijer, and Stephen K. Wismath. Volume requirements of 3d upward drawings. In Patrick



- Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 101–110. Springer-Verlag, Berlin-Heidelberg, 2006.
- [269] Emilio Di Giacomo, Giuseppe Liotta, and Francesco Trotta. How to embed a path onto two sets of points. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 111–116. Springer-Verlag, Berlin-Heidelberg, 2006.
- [270] D. Diarova and N.I. Zemtsova. The instability of the rhombus-like central configurations in newton 9-body problem. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 9th International Workshop on Computer Algebra in Scientific Computing, CASC'2006 (Chişinău, Moldova, September 11-15, 2006)*, volume 4194 of *LNCS*, pages 141–148. Springer-Verlag, Berlin-Heidelberg, 2006.
- [271] Josep Diaz, Fabrizio Grandoni, and Alberto Marchetti Spaccamela. Balanced cut approximation in random geometric graphs. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 527–536. Springer-Verlag, Berlin-Heidelberg, 2006.
- [272] Josep Díaz and Dimitrios M. Thilikos. Fast fpt-algorithms for cleaning grids. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 361–371. Springer-Verlag, Berlin-Heidelberg, 2006.
- [273] Walter Didimo, Francesco Giordano, and Giuseppe Liotta. Upward spirality and upward planarity testing. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 117–128. Springer-Verlag, Berlin-Heidelberg, 2006.

- [274] Volker Diekert, Markus Lohrey, and Alexander Miller. Partially commutative inverse monoids. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 292–304. Springer-Verlag, Berlin-Heidelberg, 2006.
- [275] Claus Diem. An index calculus algorithm for plane curves of small degree. In Florian Hess, Sebastian Pauli, and Michael Pohst, editors, *Proceedings of the 7th International Symposium on Algorithmic Number Theory, ANTS'2006 (Berlin, Germany, July 23-28, 2006)*, volume 4076 of *LNCS*, pages 543–557. Springer-Verlag, Berlin-Heidelberg, 2006.
- [276] Scott E. Dillard, Vijay Natarajan, Gunther H. Weber, Valerio Pascucci, and Bernd Hamann. Tessellation of quadratic elements. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 722–731. Springer-Verlag, Berlin-Heidelberg, 2006.
- [277] Yefim Dinitz and Shay Solomon. Optimal algorithms for tower of hanoi problems with relaxed placement rules. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 36–47. Springer-Verlag, Berlin-Heidelberg, 2006.
- [278] Hristo Djidjev and Imrich Vrt'ó. Planar crossing numbers of genus  $g$  graphs. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 419–430. Springer-Verlag, Berlin-Heidelberg, 2006.
- [279] S. Dobrev, R. Kráľovič, N. Santoro, and W. Shi. Black hole search in asynchronous rings using tokens. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 139–150. Springer-Verlag, Berlin-Heidelberg, 2006.

- [280] Yevgeniy Dodis and Renato Renner. On the impossibility of extracting classical randomness using a quantum computer. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 204–215. Springer-Verlag, Berlin-Heidelberg, 2006.
- [281] Benjamin Doerr. Generating randomized roundings with cardinality constraints and derandomizations. In Bruno Durand and Wolfgang Thomas, editors, *Proceedings of the 23rd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2006 (Marseille, France, February 23-25, 2006)*, volume 3884 of *LNCS*, pages 571–583. Springer-Verlag, Berlin-Heidelberg, 2006.
- [282] Benjamin Doerr and Tobias Friedrich. Deterministic random walks on the two-dimensional grid. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 474–483. Springer-Verlag, Berlin-Heidelberg, 2006.
- [283] Benjamin Doerr, Tobias Friedrich, Christian Klein, and Ralf Oswald. Unbiased matrix rounding. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 102–112. Springer-Verlag, Berlin-Heidelberg, 2006.
- [284] Benjamin Doerr and Christian Klein. Unbiased rounding of rational matrices. In S. Arun-Kumar and Naveen Garg, editors, *Proceedings of the 26th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2006 (Kolkata, India, December 13-15, 2006)*, volume 4337 of *LNCS*, pages 200–211. Springer-Verlag, Berlin-Heidelberg, 2006.
- [285] Benjamin Doerr, Johannes Lengler, and David Steurer. The interval liar game. In Tetsuo Asano, editor, *Proceedings of the 17th International Symposium on Algorithms and Computation, ISAAC'2006 (Kolkata, India, December 18-20, 2006)*, volume 4288 of *LNCS*, pages 318–327. Springer-Verlag, Berlin-Heidelberg, 2006.

- [286] Norbert Dojer. Learning bayesian networks does not have to be  $np$ -hard. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 305–314. Springer-Verlag, Berlin-Heidelberg, 2006.
- [287] Michael Dom, Jiong Guo, Falk Hüffner, Rolf Niedermeier, and Anke Truß. Fixed-parameter tractability results for feedback set problems in tournaments. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 320–331. Springer-Verlag, Berlin-Heidelberg, 2006.
- [288] Michael Dom, Jiong Guo, Rolf Niedermeier, and Sebastian Wernicke. Minimum membership set covering and the consecutive ones property. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga, Latvia, July 6-8, 2006)*, volume 4059 of *LNCS*, pages 339–350. Springer-Verlag, Berlin-Heidelberg, 2006.
- [289] Michael Domaratzki and Kai Salomaa. Lower bounds for the transition complexity of  $n$ fas. In Rastislav Kráľovič and Paweł Urzyczyn, editors, *Proceedings of the 31st International Symposium on Mathematical Foundations of Computer Science, MFCS'2006 (Stará Lesná, Slovakia, August 28 - September 1, 2006)*, volume 4162 of *LNCS*, pages 315–326. Springer-Verlag, Berlin-Heidelberg, 2006.
- [290] Frederic Dorn. Dynamic programming and fast matrix multiplication. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 280–291. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [291] Frederic Dorn, Fedor V. Fomin, and Dimitrios M. Thilikos. Fast subexponential algorithm for non-local problems on graphs of bounded genus. In Lars Arge and Rusins Freivalds, editors, *Proceedings of the 10th Scandinavian Workshop on Algorithm Theory, SWAT'2006 (Riga,*

- Latvia, July 6-8, 2006*), volume 4059 of *LNCS*, pages 172–183. Springer-Verlag, Berlin-Heidelberg, 2006.
- [292] David Doty, Jack H. Lutz, and Satyadev Nandakumar. Finite-state dimension and real arithmetic. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part I (Venice, Italy, July 10-14, 2006)*, volume 4051 of *LNCS*, pages 537–547. Springer-Verlag, Berlin-Heidelberg, 2006.
- [293] Xin Dou, Xiaodong Wu, John E. Bayouth, and John M. Buatti. The matrix orthogonal decomposition problem in intensity-modulated radiation therapy. In Danny Z. Chen and D.T. Lee, editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 156–165. Springer-Verlag, Berlin-Heidelberg, 2006.
- [294] Karim Douïeb and Stefan Langerman. Near-entropy hotlink assignments. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 292–303. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [295] Feodor F. Dragan and Chenyu Yan. Distance approximating trees: Complexity and algorithms. In Tiziana Calamoneri, Irene Finocchi, and Giuseppe F. Italiano, editors, *Proceedings of the 6th Italian Conference on Algorithms and Complexity, CIAC'2006 (Rome, Italy, May 29-31, 2006)*, volume 3998 of *LNCS*, pages 260–271. Springer-Verlag, Berlin-Heidelberg, 2006.
- [296] Petros Drineas, Michael W. Mahoney, and S. Muthukrishnan. Subspace sampling and relative-error matrix approximation: Column-row-based methods. In Yossi Azar and Thomas Erlebach, editors, *Proceedings of the 14th Annual European Symposium on Algorithms, ESA'2006 (Zurich, Switzerland, September 11-13, 2006)*, volume 4168 of *LNCS*, pages 304–314. Springer-Verlag, Berlin-Heidelberg-New York, 2006.
- [297] Chandan K. Dubey and Shashank K. Mehta. On indecomposability preserving elimination sequences. In Danny Z. Chen and D.T. Lee,

- editors, *Proceedings of the 12th Annual International Conference on Computing and Combinatorics, COCOON'2006 (Taipei, Taiwan, August 15-18, 2006)*, volume 4112 of *LNCS*, pages 42–51. Springer-Verlag, Berlin-Heidelberg, 2006.
- [298] Vivien Dubois, Louis Granboulan, and Jacques Stern. An efficient provable distinguisher for hfe. In Michele Bugliesi, Bart Preneel, Vladimiro Sassone, and Ingo Wegener, editors, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming, ICALP'2006, Part II (Venice, Italy, July 10-14, 2006)*, volume 4052 of *LNCS*, pages 156–167. Springer-Verlag, Berlin-Heidelberg, 2006.
- [299] Vida Dujmović and David R. Wood. Graph treewidth and geometric thickness parameters. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 129–140. Springer-Verlag, Berlin-Heidelberg, 2006.
- [300] Christian A. Duncan, Stephen G. Kobourov, and Dorothea Wagner. Graph-drawing contest report. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 528–531. Springer-Verlag, Berlin-Heidelberg, 2006.