

References

- [1] Martín Abadi and Bogdan Warinschi. Password-based encryption analyzed. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 664–676. Springer-Verlag, Berlin-Heidelberg, 2005.
- [2] Samy Abbes. The (true) concurrent markov property and some applications to markov nets. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 70–89. Springer-Verlag, Berlin-Heidelberg, 2005.
- [3] Parosh Aziz Abdulla, Johann Deneux, Joël Ouaknine, and James Worrell. Decidability and complexity results for timed automata via channel machines. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1089–1101. Springer-Verlag, Berlin-Heidelberg, 2005.
- [4] David J. Abraham, Katarína Cechlárová, David F. Manlove, and Kurt Mehlhorn. Pareto optimality in house allocation problems. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 1163–1175. Springer-Verlag, Berlin-Heidelberg, 2005.
- [5] Erika Ábrahám, Marcello M. Bonsangue, Frank S. de Boer, and Martin Steffen. Object connectivity and full abstraction for a concurrent calculus of classes. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 37–51. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [6] S.A. Abramov, M. Bronstein, and D.E. Khmelnov. On regular and logarithmic solutions of ordinary linear differential systems. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg, 2005.
- [7] Adnan Acan. An external partial permutations memory for ant colony optimization. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 1–11. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [8] Eyal Ackerman, Gill Barequet, and Ron Y. Pinter. An upper bound on the number of rectangulations of a point set. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 554–559. Springer-Verlag, Berlin-Heidelberg, 2005.
- [9] Heiner Ackermann, Alantha Newman, Heiko Röglin, and Berthold Vöcking. Decision making based on approximate and smoothed pareto curves. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 675–684. Springer-Verlag, Berlin-Heidelberg, 2005.
- [10] Udo Adamy, Thomas Erlebach, Dieter Mitsche, Ingo Schurr, Bettina Speckmann, and Emo Welzl. Off-line admission control for advance reservations in star networks. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 211–224. Springer-Verlag, Berlin-Heidelberg, 2005.
- [11] Bharat Adsul, Madhavan Mukund, K. Narayan Kumar, and Vasumathi Narayanan. Causal closure for msc languages. In R. Ramanujam and

- Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 335–347. Springer-Verlag, Berlin-Heidelberg, 2005.
- [12] Pankaj K. Agarwal, Lars Arge, and Ke Yi. I/o-efficient construction of constrained delaunay triangulations. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 355–366. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [13] Pankaj K. Agarwal, Junyi Xie, Jun Yang, and Hai Yu. Monitoring continuous band-join queries over dynamic data. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 349–359. Springer-Verlag, Berlin-Heidelberg, 2005.
- [14] Divesh Aggarwal, Shashank K. Mehta, and Jitender S. Deogun. Domination search on graphs with low dominating-target-number. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 28–37. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [15] Geir Agnarsson and Magnús M. Halldórsson. Strong colorings of hypergraphs. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 253–266. Springer-Verlag, Berlin-Heidelberg, 2005.
- [16] Manindra Agrawal. Proving lower bounds via pseudo-random generators. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 92–105. Springer-Verlag, Berlin-Heidelberg, 2005.

- [17] Manindra Agrawal and Nitin Saxena. Automorphisms of finite rings and applications to complexity of problems. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 1–17. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [18] Hee-Kap Ahn, Sang Won Bae, Siu-Wing Cheng, and Kyung-Yong Chwa. Casting an object with a core. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 40–49. Springer-Verlag, Berlin-Heidelberg, 2005.
- [19] Hee-Kap Ahn and Otfried Cheong. Stacking and bundling two convex polygons. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 882–891. Springer-Verlag, Berlin-Heidelberg, 2005.
- [20] Marc Aiguier, Stefan Béroff, and Pierre-Yves Schobbens. An algebraic approach for codesign. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 415–430. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [21] Kazuhide Aikou, Yusuke Suzuki, Takayoshi Shoudai, Tomoyuki Uchida, and Tetsuhiro Miyahara. A polynomial time matching algorithm of ordered tree patterns having height-constrained variables. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 346–357. Springer-Verlag, Berlin-Heidelberg, 2005.
- [22] Nir Ailon and Bernard Chazelle. Information theory in property testing and monotonicity testing in higher dimension. In Volker Diekert and

- Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 434–447. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [23] Hassene Aissi, Cristina Bazgan, and Daniel Vanderpooten. Approximation complexity of min-max (regret) versions of shortest path, spanning tree, and knapsack. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 862–873. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [24] Hassene Aissi, Cristina Bazgan, and Daniel Vanderpooten. Complexity of the min-max (regret) versions of cut problems. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 789–798. Springer-Verlag, Berlin-Heidelberg, 2005.
- [25] Tatsuya Akutsu and Daiji Fukagawa. Inferring a graph from path frequency. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 371–382. Springer-Verlag, Berlin-Heidelberg, 2005.
- [26] Saeed Alaei, Mohammad Toossi, and Mohammad Ghodsi. Skiptree: A scalable range-queryable distributed data structure for multidimensional data. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 298–307. Springer-Verlag, Berlin-Heidelberg, 2005.
- [27] Giora Alexandron, Haim Kaplan, and Micha Sharir. Kinetic and dynamic data structures for convex hulls and upper envelopes. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data*

- Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 269–281. Springer-Verlag, Berlin-Heidelberg, 2005.
- [28] Arianna Alfieri, Steef L. van de Velde, and Gerhard J. Woeginger. Roll cutting in the curtain industry. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 283–292. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [29] Eric Allender, Michael Bauland, Neil Immerman, Henning Schnoor, and Heribert Vollmer. The complexity of satisfiability problems: Refining schaefer’s theorem. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 71–82. Springer-Verlag, Berlin-Heidelberg, 2005.
- [30] Eric Allender, Samir Datta, and Sambuddha Roy. The directed planar reachability problem. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 238–249. Springer-Verlag, Berlin-Heidelberg, 2005.
- [31] Luca Allulli, Giorgio Ausiello, and Luigi Laura. On the power of lookahead in on-line vehicle routing problems. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 728–736. Springer-Verlag, Berlin-Heidelberg, 2005.
- [32] Alejandro Almeida Ruiz, Fabrizio Luccio, Antonio Mesa Enriquez, and Linda Pagli. k -restricted rotation with an application to search tree rebalancing. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 2–13. Springer-Verlag, Berlin-Heidelberg, 2005.

- [33] César L. Alonso, Josè L. Montaña, and Luis M. Pardo. On the number of random digits required in montecarlo integration of definable functions. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 83–94. Springer-Verlag, Berlin-Heidelberg, 2005.
- [34] Stephen Alstrup, Inge Li Gørtz, Theis Rauhe, Mikkel Thorup, and Uri Zwick. Union-find with constant time deletions. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 78–89. Springer-Verlag, Berlin-Heidelberg, 2005.
- [35] Rajeev Alur, Viraj Kumar, P. Madhusudan, and Mahesh Viswanathan. Congruences for visibly pushdown languages. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1102–1114. Springer-Verlag, Berlin-Heidelberg, 2005.
- [36] Carme Àlvarez, Joaquim Gabarró, and Maria Serna. Polynomial space suffices for deciding nash equilibria properties for extensive games with large trees. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 634–643. Springer-Verlag, Berlin-Heidelberg, 2005.
- [37] Carme Àlvarez, Joaquim Gabarró, and Maria Serna. Pure nash equilibria in games with a large number of actions. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 95–106. Springer-Verlag, Berlin-Heidelberg, 2005.

- [38] Edoardo Amaldi, Pietro Belotti, and Raphael Hauser. Randomized relaxation methods for the maximum feasible subsystem problem. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 249–264. Springer-Verlag, Berlin-Heidelberg, 2005.
- [39] Kazuyuki Amano and Akira Maruoka. On the complexity of depth-2 circuits with threshold gates. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 107–118. Springer-Verlag, Berlin-Heidelberg, 2005.
- [40] Pasquale Ambrosio and Vincenzo Auletta. Deterministic monotone algorithms for scheduling on related machines. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 267–280. Springer-Verlag, Berlin-Heidelberg, 2005.
- [41] Christoph Ambühl. An optimal bound for the mst algorithm to compute energy efficient broadcast trees in wireless networks. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1139–1150. Springer-Verlag, Berlin-Heidelberg, 2005.
- [42] Amihoud Amir, Ohad Lipsky, Ely Porat, and Julia Umanski. Approximate matching in the l_1 metric. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 91–103. Springer-Verlag, Berlin-Heidelberg, 2005.
- [43] Nir Andelman, Yossi Azar, and Motti Sorani. Truthful approximation mechanisms for scheduling selfish related machines. In Volker Diekert

- and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 69–82. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [44] Eric Angel, Evripidis Bampis, and Laurent Gourvès. Approximation algorithms for the bi-criteria weighted max-cut problem. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 331–340. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [45] Spyros Angelopoulos. Order-preserving transformations and greedy-like algorithms. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 197–210. Springer-Verlag, Berlin-Heidelberg, 2005.
- [46] Spyros Angelopoulos, Atish Das Sarma, Avner Magen, and Anastasios Viglas. On-line algorithms for market equilibria. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 596–607. Springer-Verlag, Berlin-Heidelberg, 2005.
- [47] Alberto Apostolico. Monotony and surprise. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 9–9. Springer-Verlag, Berlin-Heidelberg, 2005.
- [48] Toshiyasu Arai and Georg Moser. Proofs of termination of rewrite systems for polytime functions. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 529–540. Springer-Verlag, Berlin-Heidelberg, 2005.

- [49] Lars Arge and Laura Toma. External data structures for shortest path queries on planar digraphs. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 328–338. Springer-Verlag, Berlin-Heidelberg, 2005.
- [50] Hiroki Arimura and Takeaki Uno. A polynomial space and polynomial delay algorithm for enumeration of maximal motifs in a sequence. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 724–737. Springer-Verlag, Berlin-Heidelberg, 2005.
- [51] Boris Aronov, Mark de Berg, Otfried Cheong, Joachim Gudmundsson, Herman Haverkort, and Antoine Vigneron. Sparse geometric graphs with small dilation. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 50–59. Springer-Verlag, Berlin-Heidelberg, 2005.
- [52] Diego Arroyuelo and Gonzalo Navarro. Space-efficient construction of lz-index. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 1143–1152. Springer-Verlag, Berlin-Heidelberg, 2005.
- [53] Abdullah N. Arslan. Regular expression constrained sequence alignment. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 322–333. Springer-Verlag, Berlin-Heidelberg, 2005.
- [54] V. Arvind and T.C. Vijayaraghavan. The complexity of solving linear equations over a finite ring. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany,*

February 24-26, 2005), volume 3404 of *LNCS*, pages 472–484. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [55] Eugene Asarin and Pieter Collins. Noisy turing machines. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1031–1042. Springer-Verlag, Berlin-Heidelberg, 2005.
- [56] Albert Atserias, Anuj Dawar, and Martin Grohe. Preservation under extensions on well-behaved finite structures. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1437–1449. Springer-Verlag, Berlin-Heidelberg, 2005.
- [57] Giorgio Ausiello, Vincenzo Bonifaci, and Luigi Laura. The on-line asymmetric traveling salesman problem. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 306–317. Springer-Verlag, Berlin-Heidelberg, 2005.
- [58] Giorgio Ausiello, Paolo G. Franciosa, and Giuseppe F. Italiano. Small stretch spanners on dynamic graphs. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 532–543. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [59] Chen Avin and Gunes Ercal. On the cover time of random geometric graphs. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 677–689. Springer-Verlag, Berlin-Heidelberg, 2005.

- [60] Yossi Azar. Online packet switching. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 1–5. Springer-Verlag, Berlin-Heidelberg, 2005.
- [61] Yossi Azar and Rafi Zachut. Packet routing and information gathering in lines, rings and trees. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 484–495. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [62] Christian Bachmaier, Ulrik Brandes, and Barbara Schlieper. Drawing phylogenetic trees. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 1110–1121. Springer-Verlag, Berlin-Heidelberg, 2005.
- [63] Christian Bachmaier, Florian Fischer, and Michael Forster. Radial coordinate assignment for level graphs. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 401–410. Springer-Verlag, Berlin-Heidelberg, 2005.
- [64] Mihai Bădoiu, Artur Czumaj, Piotr Indyk, and Christian Sohler. Facility location in sublinear time. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 866–877. Springer-Verlag, Berlin-Heidelberg, 2005.
- [65] Eric Badouel, Jules Chenou, and Goulven Guillou. Petri algebras. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lis-*

- bon, Portugal, July 11-15, 2005), volume 3580 of *LNCS*, pages 742–754. Springer-Verlag, Berlin-Heidelberg, 2005.
- [66] Sang Won Bae and Kyung-Yong Chwa. Shortest paths and voronoi diagrams with transportation networks under general distances. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 1007–1018. Springer-Verlag, Berlin-Heidelberg, 2005.
- [67] Sung E. Bae and Tadao Takaoka. Improved algorithms for the k -maximum subarray problem for small k . In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 621–631. Springer-Verlag, Berlin-Heidelberg, 2005.
- [68] Fabien Baille, Evripidis Bampis, Christian Laforest, and Nicolas Thibault. On-line simultaneous maximization of the size and the weight for degradable intervals schedules. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 308–317. Springer-Verlag, Berlin-Heidelberg, 2005.
- [69] Michael Baldamus, Joachim Parrow, and Björn Victor. A fully abstract encoding of the π -calculus with data terms. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1202–1213. Springer-Verlag, Berlin-Heidelberg, 2005.
- [70] Andreas Baltz, Devdatt Dubhashi, Libertad Tansini, Anand Srivastav, and Sören Werth. Probabilistic analysis for a multiple depot vehicle routing problem. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 360–371. Springer-Verlag, Berlin-Heidelberg, 2005.

- [71] Andreas Baltz and Lasse Kliemann. Spectral analysis. In Ulrik Brandes and Thomas Erlebach, editors, *Network Analysis — Methodological Foundations*, volume 3418 of *LNCS*, pages 373–416. Springer-Verlag, Berlin-Heidelberg, 2005.
- [72] Nikhil Bansal and Kirk Pruhs. Speed scaling to manage temperature. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 460–471. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [73] Reuven Bar-Yehuda and Dror Rawitz. Using fractional primal-dual to schedule split intervals with demands. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 714–725. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [74] Ilya Baran, Erik D. Demaine, and Mihai Pătraşcu. Subquadratic algorithms for 3sum. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 409–421. Springer-Verlag, Berlin-Heidelberg, 2005.
- [75] Marco Antonio Barbosa and Luís Soares Barbosa. Specifying software connectors. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 52–67. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [76] Kamel Barkaoui, Jean-Michel Couvreur, and Kais Klai. On the equivalence between liveness and deadlock-freeness in petri nets. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 90–107. Springer-Verlag, Berlin-Heidelberg, 2005.

- [77] Saugata Basu and Michael Kettner. Computing the betti numbers of arrangements in practice. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 13–31. Springer-Verlag, Berlin-Heidelberg, 2005.
- [78] Surender Baswana, Vishrut Goyal, and Sandeep Sen. All-pairs nearly 2-approximate shortest-paths in $o(n^2 \text{polylog} n)$ time. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 666–679. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [79] Garima Batra, Naveen Garg, and Garima Gupta. Heuristic improvements for computing maximum multicommodity flow and minimum multicut. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 35–46. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [80] Mathieu Baudet, Véronique Cortier, and Steve Kremer. Computationally sound implementations of equational theories against passive adversaries. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 652–663. Springer-Verlag, Berlin-Heidelberg, 2005.
- [81] Michael Bauland and Edith Hemaspaandra. Isomorphic implication. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 119–130. Springer-Verlag, Berlin-Heidelberg, 2005.
- [82] Nadine Baumann and Sebastian Stiller. Network models. In Ulrik Brandes and Thomas Erlebach, editors, *Network Analysis — Method-*

- ological Foundations*, volume 3418 of *LNCS*, pages 341–372. Springer-Verlag, Berlin-Heidelberg, 2005.
- [83] Michael Baur and Marc Benkert. Network comparison. In Ulrik Brandes and Thomas Erlebach, editors, *Network Analysis — Methodological Foundations*, volume 3418 of *LNCS*, pages 318–340. Springer-Verlag, Berlin-Heidelberg, 2005.
- [84] Cristina Bazgan and Marek Karpinski. On the complexity of global constraint satisfaction. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 624–633. Springer-Verlag, Berlin-Heidelberg, 2005.
- [85] Cristina Bazgan, Zsolt Tuza, and Daniel Vanderpooten. Complexity and approximation of satisfactory partition problems. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 829–838. Springer-Verlag, Berlin-Heidelberg, 2005.
- [86] Fabrice Bazzaro and Cyril Gavaille. Localized and compact data-structure for comparability graphs. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 1122–1131. Springer-Verlag, Berlin-Heidelberg, 2005.
- [87] Marie-Pierre Béal, Sylvain Lombardy, and Jacques Sakarovitch. On the equivalence of z -automata. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 397–409. Springer-Verlag, Berlin-Heidelberg, 2005.
- [88] Paul Beame, Toniann Pitassi, and Nathan Segerlind. Lower bounds for lovász-schrijver systems and beyond follow from multiparty communication complexity. In Luís Caires, Giuseppe F. Italiano, Luís Mon-

- teiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1176–1188. Springer-Verlag, Berlin-Heidelberg, 2005.
- [89] Martin Beaudry, François Lemieux, and Denis Thérien. Groupoids that recognize only regular languages. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 421–433. Springer-Verlag, Berlin-Heidelberg, 2005.
- [90] Zuzana Beerliova, Felix Eberhard, Thomas Erlebach, Alexander Hall, Michael Hoffmann, Matúš Mihal'ák, and L. Shankar Ram. Network discovery and verification. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 127–138. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [91] Behshad Behzadi and Fabrice Le Fessant. Dna compression challenge revisited: A dynamic programming approach. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 190–200. Springer-Verlag, Berlin-Heidelberg, 2005.
- [92] Yigal Bejerano, Joseph Naor, and Alexander Sprintson. Efficient algorithms for shared backup allocation in networks with partial information. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 702–713. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [93] Fevzi Belli and Christof J. Budnik. Minimal spanning set for coverage testing of interactive systems. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September*

- 20-24, 2004), volume 3407 of *LNCS*, pages 220–234. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [94] I.N. Belyaeva, N.A. Chekanov, A.A. Gusev, V.A. Rostovtsev, Yu.A. Ukolov, Y. Uwano, and S.I. Vinitzky. A maple symbolic-numeric program for solving the 2d-eigenvalue problem by a self-consistent basis method. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 32–39. Springer-Verlag, Berlin-Heidelberg, 2005.
- [95] Boaz Ben-Moshe, Binay Bhattacharya, and Qiaosheng Shi. Efficient algorithms for the weighted 2-center problem in a cactus graph. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 693–703. Springer-Verlag, Berlin-Heidelberg, 2005.
- [96] Michael A. Bender, David P. Bunde, Erik D. Demaine, Sándor P. Fekete, Vitus J. Leung, Henk Meijer, and Cynthia A. Phillips. Communication-aware processor allocation for supercomputers. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 169–181. Springer-Verlag, Berlin-Heidelberg, 2005.
- [97] Michael Benedikt and Luc Segoufin. Regular tree languages definable in *fo*. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 327–339. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [98] Robert Benkoczi and Binay Bhattacharya. A new template for solving p -median problems for trees in sub-quadratic time. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mal-*

lorca, Spain, October 3-6, 2005), volume 3669 of *LNCS*, pages 271–282. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [99] Beatrice Bérard, Franck Cassez, Serge Haddad, Didier Lime, and Olivier Roux. When are timed automata weakly timed bisimilar to time petri nets? In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 273–284. Springer-Verlag, Berlin-Heidelberg, 2005.
- [100] Eric Berberich, Arno Eigenwillig, Michael Hemmer, Susan Hert, Lutz Kettner, Kurt Mehlhorn, Joachim Reichel, Susanne Schmitt, Elmar Schömer, and Nicola Wolpert. Exacus: Efficient and exact algorithms for curves and surfaces. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 155–166. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [101] Sergey Bereg and Binhai Zhu. Rna multiple structural alignment with longest common subsequences. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 32–41. Springer-Verlag, Berlin-Heidelberg, 2005.
- [102] Petra Berenbrink, Funda Ergun, and Tom Friedetzky. Finding frequent patterns in a string in sublinear time. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 746–757. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [103] Petra Berenbrink, Tom Friedetzky, Zengjian Hu, and Russell Martin. On weighted balls-into-bins games. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 231–243. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [104] Petra Berenbrink, Tom Friedetzky, and Russell Martin. Dynamic diffusion load balancing. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1386–1398. Springer-Verlag, Berlin-Heidelberg, 2005.
- [105] André Berger, Artur Czumaj, Michelangelo Grigni, and Hairong Zhao. Approximation schemes for minimum 2-connected spanning subgraphs in weighted planar graphs. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 472–483. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [106] André Berger and Ojas Parekh. Linear time algorithms for generalized edge dominating set problems. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 233–243. Springer-Verlag, Berlin-Heidelberg, 2005.
- [107] Anne Bergeron, Cedric Chauve, Fabien de Montgolfier, and Mathieu Raffinot. Computing common intervals of k permutations, with applications to modular decomposition of graphs. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 779–790. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [108] Rudolf Berghammer and Frank Neumann. Relview — an obdd-based computer algebra system for relations. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 40–51. Springer-Verlag, Berlin-Heidelberg, 2005.
- [109] Anders Bergkvist and Peter Damaschke. Fast algorithms for finding disjoint subsequences with extremal densities. In Xiaotie Deng and

- Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 714–723. Springer-Verlag, Berlin-Heidelberg, 2005.
- [110] Piotr Berman and Surajit K. Das. On the vehicle routing problem. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 360–371. Springer-Verlag, Berlin-Heidelberg, 2005.
- [111] Piotr Berman and Bhaskar DasGupta. Approximating the online set multicover problems via randomized winnowing. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 110–121. Springer-Verlag, Berlin-Heidelberg, 2005.
- [112] Anne Berry, Richard Krueger, and Genevieve Simonet. Ultimate generalizations of lexbfs and lex m. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 199–213. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [113] Anne Berry, Alain Sigayret, and Jeremy Spinrad. Faster dynamic algorithms for chordal graphs, and an application to phylogeny. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 445–455. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [114] Vincent Berry, Sylvain Guillemot, François Nicolas, and Christophe Paul. On the approximation of computing evolutionary trees. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 115–125. Springer-Verlag, Berlin-Heidelberg, 2005.

- [115] Valérie Berthé and Michel Rigo. Abstract numeration systems and tilings. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 131–143. Springer-Verlag, Berlin-Heidelberg, 2005.
- [116] Pascal Berthomé, Sylvain Lebresne, and Kim Nguyễn. Computation of chromatic polynomials using triangulations and clique trees. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 362–373. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [117] Dietmar Berwanger and Giacomo Lenzi. The variable hierarchy of the μ -calculus is strict. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 97–109. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [118] Ankur Bhargava and S. Rao Kosaraju. Derandomization of dimensionality reduction and sdp based algorithms. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 396–408. Springer-Verlag, Berlin-Heidelberg, 2005.
- [119] Marcin Bienkowski and Jarosław Byrka. Bucket game with applications to set multicover and dynamic page migration. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 815–826. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [120] Marcin Bienkowski, Mirosław Dynia, and Mirosław Korzeniowski. Improved algorithms for dynamic page migration. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on*

Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005), volume 3404 of *LNCS*, pages 365–376. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [121] Marcin Bienkowski and Friedhelm Meyer auf der Heide. Page migration in dynamic networks. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 1–14. Springer-Verlag, Berlin-Heidelberg, 2005.
- [122] Vittorio Bil, Michele Flammini, and Luca Moscardelli. On nash equilibria in non-cooperative all-optical networks. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 448–459. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [123] Philip Bille and Inge Li Gørtz. The tree inclusion problem: In optimal space and faster. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 66–77. Springer-Verlag, Berlin-Heidelberg, 2005.
- [124] Davide Bilò and Guido Proietti. A $\frac{5}{4}$ -approximation algorithm for biconnecting a graph with a given hamiltonian path. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 181–196. Springer-Verlag, Berlin-Heidelberg, 2005.
- [125] Vittorio Bilò, Ioannis Caragiannis, Christos Kaklamanis, and Panagiotis Kanellopoulos. Geometric clustering to minimize the sum of cluster sizes. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 460–471. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [126] Andreas Björklund. Approximating integer quadratic programs and maxcut in subdense graphs. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 839–849. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [127] Markus Bläser, L. Shankar Ram, and Maxim Sviridenko. Improved approximation algorithms for metric maximum atsp and maximum 3-cycle cover problems. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 350–359. Springer-Verlag, Berlin-Heidelberg, 2005.
- [128] María J. Blesa, Daniel Calzada, Antonio Fernández, Luis López, Andrés L. Martínez, Agustín Santos, and Maria Serna. Adversarial queueing model for continuous network dynamics. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 144–155. Springer-Verlag, Berlin-Heidelberg, 2005.
- [129] Andreas Bley. On the approximability of the minimum congestion unsplittable shortest path routing problem. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 97–110. Springer-Verlag, Berlin-Heidelberg, 2005.
- [130] Guillaume Blin, Guillaume Fertin, Danny Hermelin, and Stéphane Vialette. Fixed-parameter algorithms for protein similarity search under mrna structure constraints. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 271–282. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [131] Guillaume Blin and Romeo Rizzi. Conserved interval distance computation between non-trivial genomes. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 22–31. Springer-Verlag, Berlin-Heidelberg, 2005.
- [132] Mary Ellen Bock, Guido M. Cortelazzo, Carlo Ferrari, and Concettina Guerra. Identifying similar surface patches on proteins using a spin-image surface representation. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 417–428. Springer-Verlag, Berlin-Heidelberg, 2005.
- [133] Sebastian Böcker and Hans-Michael Kaltenbach. Mass spectra alignments and their significance. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 429–441. Springer-Verlag, Berlin-Heidelberg, 2005.
- [134] Sebastian Böcker and Zsuzsanna Lipták. The money changing problem revisited: Computing the frobenius number in time $o(ka_1)$. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 965–974. Springer-Verlag, Berlin-Heidelberg, 2005.
- [135] Manuel Bodirsky. The core of a countably categorical structure. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 110–120. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [136] Manuel Bodirsky, Clemens Gröpl, and Mihyun Kang. Sampling unlabeled biconnected planar graphs. In Xiaotie Deng and Dingzhu Du,

- editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 593–603. Springer-Verlag, Berlin-Heidelberg, 2005.
- [137] Manuel Bodirsky and Daniel Král'. Locally consistent constraint satisfaction problems with binary constraints. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 295–306. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [138] Hans L. Bodlaender, Alexander Grigoriev, and Arie M.C.A. Koster. Treewidth lower bounds with brambles. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 391–402. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [139] Valentina Boeva, Julien Clément, Mireille Régnier, and Mathias Vandenbogaert. Assessing the significance of sets of words. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 358–370. Springer-Verlag, Berlin-Heidelberg, 2005.
- [140] Jean-Daniel Boissonnat and Christophe Delage. Convex hull and voronoi diagram of additively weighted points. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 367–378. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [141] Agustin Bompadre and James B. Orlin. Using grammars to generate very large scale neighborhoods for the traveling salesman problem and other sequencing problems. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 437–451. Springer-Verlag, Berlin-Heidelberg, 2005.

- [142] Paola Bonizzoni, Gianluca Della Vedova, Riccardo Dondi, and Tao Jiang. Correlation clustering and consensus clustering. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 226–235. Springer-Verlag, Berlin-Heidelberg, 2005.
- [143] M. Borges-Quintana, M.A. Borges-Trenard, and E. Martínez-Moro. On the use of gröbner bases for computing the structure of finite abelian groups. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 52–64. Springer-Verlag, Berlin-Heidelberg, 2005.
- [144] Allan Borodin. Towards a theory of algorithms. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg, 2005.
- [145] Allan Borodin, Joan Boyar, and Kim S. Larsen. Priority algorithms for graph optimization problems. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 126–139. Springer-Verlag, Berlin-Heidelberg, 2005.
- [146] Allan Borodin, David Cashman, and Avner Magen. How well can primal-dual and local-ratio algorithms perform? In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 943–955. Springer-Verlag, Berlin-Heidelberg, 2005.
- [147] Prosenjit Bose, Vida Dujmović, and David R. Wood. Induced subgraphs of bounded degree and bounded treewidth. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France,*

- June 23-25, 2005*), volume 3787 of *LNCS*, pages 175–186. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [148] Prosenjit Bose, Evangelos Kranakis, Pat Morin, and Yihui Tang. Approximate range mode and range median queries. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 377–388. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [149] Julia Böttcher. Coloring sparse random k -colorable graphs in polynomial expected time. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 156–167. Springer-Verlag, Berlin-Heidelberg, 2005.
- [150] Ahmed Bouajjani, Javier Esparza, Stefan Schwoon, and Jan Strejček. Reachability analysis of multithreaded software with asynchronous communication. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 348–359. Springer-Verlag, Berlin-Heidelberg, 2005.
- [151] Anne Bouillard, Bruno Gaujal, and Jean Mairesse. Extremal throughputs in free-choice nets. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 108–127. Springer-Verlag, Berlin-Heidelberg, 2005.
- [152] Mireille Bousquet-Mélou. Algebraic generating functions in enumerative combinatorics and context-free languages. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 18–35. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [153] Mathilde Bouvel, Vladimir Grebinski, and Gregory Kucherov. Combinatorial search on graphs motivated by bioinformatics applications: A brief survey. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 16–27. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [154] Patricia Bouyer, Fabrice Chevalier, and Nicolas Markey. On the expressiveness of tptl and mtl. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 432–443. Springer-Verlag, Berlin-Heidelberg, 2005.
- [155] Aaron R. Bradley, Zohar Manna, and Henny B. Sipma. The polyranking principle. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1349–1361. Springer-Verlag, Berlin-Heidelberg, 2005.
- [156] An Braeken, Yuri Borissov, Svetla Nikova, and Bart Preneel. Classification of boolean functions of 6 variables or less with respect to some cryptographic properties. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 324–334. Springer-Verlag, Berlin-Heidelberg, 2005.
- [157] An Braeken, Ventzislav Nikov, and Svetla Nikova. Error-set codes and related objects. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 577–585. Springer-Verlag, Berlin-Heidelberg, 2005.
- [158] Ulrik Brandes and Thomas Erlebach. Fundamentals. In Ulrik Brandes and Thomas Erlebach, editors, *Network Analysis — Methodological Foundations*, volume 3418 of *LNCS*, pages 7–15. Springer-Verlag, Berlin-Heidelberg, 2005.

- [159] Ulrik Brandes and Thomas Erlebach. Introduction. In Ulrik Brandes and Thomas Erlebach, editors, *Network Analysis — Methodological Foundations*, volume 3418 of *LNCS*, pages 1–6. Springer-Verlag, Berlin-Heidelberg, 2005.
- [160] Ulrik Brandes and Daniel Fleischer. Centrality measures based on current flow. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 533–544. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [161] Andreas Brandstädt and Chinh T. Hoàng. On clique separators, nearly chordal graphs, and the maximum weight stable set problem. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 265–275. Springer-Verlag, Berlin-Heidelberg, 2005.
- [162] Tomáš Brázdil and Antonín Kučera. Computing the expected accumulated reward and gain for a subclass of infinite markov chains. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 372–383. Springer-Verlag, Berlin-Heidelberg, 2005.
- [163] Tomáš Brázdil, Antonín Kučera, and Oldřich Stražovský. On the decidability of temporal properties of probabilistic pushdown automata. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 145–157. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [164] Broňa Brejová, Daniel G. Brown, Ian M. Harrower, Alejandro López-Ortiz, and Tomáš Vinař. Sharper upper and lower bounds for an approximation scheme for consensus-pattern. In Alberto Apostolico,

- Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 1–10. Springer-Verlag, Berlin-Heidelberg, 2005.
- [165] Leonardo Brenner, Paulo Fernandes, Afonso Sales, and Thais Webber. A framework to decompose gspn models. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 128–147. Springer-Verlag, Berlin-Heidelberg, 2005.
- [166] Michael Brinkmeier and Thomas Schank. Network statistics. In Ulrik Brandes and Thomas Erlebach, editors, *Network Analysis — Methodological Foundations*, volume 3418 of *LNCS*, pages 293–317. Springer-Verlag, Berlin-Heidelberg, 2005.
- [167] Gerth Stølting Brodal, Rolf Fagerberg, and Gabriel Moruz. Cache-aware and cache-oblivious adaptive sorting. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 576–588. Springer-Verlag, Berlin-Heidelberg, 2005.
- [168] Gerth Stølting Brodal and Gabriel Moruz. Tradeoffs between branch mispredictions and comparisons for sorting algorithms. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 385–395. Springer-Verlag, Berlin-Heidelberg, 2005.
- [169] Alexander D. Bruno and Victor F. Edneral. Normal forms and integrability of ode systems. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 65–74. Springer-Verlag, Berlin-Heidelberg, 2005.

- [170] Niv Buchbinder and Joseph Naor. Online primal-dual algorithms for covering and packing problems. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 689–701. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [171] Harry Buhrman, Lance Fortnow, Ilan Newman, and Nikolai Vereshchagin. Increasing kolmogorov complexity. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 412–421. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [172] Harry Buhrman, Ilan Newman, Hein Röhrig, and Ronald de Wolf. Robust polynomials and quantum algorithms. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 593–604. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [173] Fabio Burderi and Antonio Restivo. Varieties of codes and kraft inequality. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 545–556. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [174] Costas Busch, Malik Magdon-Ismail, and Marios Mavronicolas. Universal bufferless routing. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 239–252. Springer-Verlag, Berlin-Heidelberg, 2005.
- [175] Laurent Busé, Houssam Khalil, and Bernard Mourrain. Resultant-based methods for plane curves intersection problems. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16,*

- 2005), volume 3718 of *LNCS*, pages 75–92. Springer-Verlag, Berlin-Heidelberg, 2005.
- [176] Lawrence Cabac, Michael Duvigneau, Daniel Moldt, and Heiko Rölke. Modeling dynamic architectures using nets-within-nets. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 148–167. Springer-Verlag, Berlin-Heidelberg, 2005.
- [177] Sergio Cabello. Approximation algorithms for spreading points. In Giuseppe Persiano and Roberto Solis-Oba, editors, *Proceedings of the 2nd International Workshop on Approximation and Online Algorithms, WAOA'2004 (Bergen, Norway, September 14-16, 2004)*, volume 3351 of *LNCS*, pages 83–96. Springer-Verlag, Berlin-Heidelberg, 2005.
- [178] Sergio Cabello, Panos Giannopoulos, Christian Knauer, and Günter Rote. Matching point sets with respect to the earth mover's distance. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 520–531. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [179] Sergio Cabello and Bojan Mohar. Finding shortest non-separating and non-contractible cycles for topologically embedded graphs. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 131–142. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [180] Jin-Yi Cai and Venkatesan T. Chakaravarthy. A note on zero error algorithms having oracle access to one np query. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 339–348. Springer-Verlag, Berlin-Heidelberg, 2005.
- [181] Qingbo Cai and Vincenzo Liberatore. Approximation algorithms for layered multicast scheduling. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and*

- Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 974–983. Springer-Verlag, Berlin-Heidelberg, 2005.
- [182] Zhipeng Cai, Guohui Lin, and Guoliang Xue. Improved approximation algorithms for the capacitated multicast routing problem. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 136–145. Springer-Verlag, Berlin-Heidelberg, 2005.
- [183] Saverio Caminiti and Rossella Petreschi. String coding of trees with locality and heritability. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 251–262. Springer-Verlag, Berlin-Heidelberg, 2005.
- [184] Lorenzo Capra, Massimiliano De Pierro, and Giuliana Franceschinis. A high level language for structural relations in well-formed nets. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 168–187. Springer-Verlag, Berlin-Heidelberg, 2005.
- [185] Alberto Caprara, Marco Locatelli, and Michele Monaci. Bidimensional packing by bilinear programming. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 377–391. Springer-Verlag, Berlin-Heidelberg, 2005.
- [186] Ioannis Caragiannis, Clemente Galdi, and Christos Kaklamanis. Basic computations in wireless networks. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 533–542. Springer-Verlag, Berlin-Heidelberg, 2005.
- [187] Ioannis Caragiannis, Clemente Galdi, and Christos Kaklamanis. Network load games. In Xiaotie Deng and Dingzhu Du, editors, *Proceed-*

- ings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 809–818. Springer-Verlag, Berlin-Heidelberg, 2005.
- [188] Arnaud Carayol. Regular sets of higher-order pushdown stacks. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 168–179. Springer-Verlag, Berlin-Heidelberg, 2005.
- [189] Arnaud Carayol and Antoine Meyer. Linearly bounded infinite graphs. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 180–191. Springer-Verlag, Berlin-Heidelberg, 2005.
- [190] Jessica Andrea Carballido, Ignacio Ponzoni, and Nélida Beatriz Brignole. A novel application of evolutionary computing in process systems engineering. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 12–22. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [191] Jean Cardinal, Samuel Fiorini, and Gwenaél Joret. Minimum entropy coloring. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 819–828. Springer-Verlag, Berlin-Heidelberg, 2005.
- [192] Jean Cardinal, Martine Labbé, Stefan Langerman, Eythan Levy, and Hadrien Mélot. A tight analysis of the maximal matching heuristic. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 701–709. Springer-Verlag, Berlin-Heidelberg, 2005.

- [193] Paz Carmi, Matthew J. Katz, and Joseph S.B. Mitchell. The minimum-area spanning tree problem. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 195–204. Springer-Verlag, Berlin-Heidelberg, 2005.
- [194] Matthew Cary, Atri Rudra, and Ashish Sabharwal. On the hardness of embeddings between two finite metrics. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1412–1423. Springer-Verlag, Berlin-Heidelberg, 2005.
- [195] Giuseppe Castagna and Alain Frisch. A gentle introduction to semantic subtyping. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 30–34. Springer-Verlag, Berlin-Heidelberg, 2005.
- [196] Luca Castelli Aleardi, Olivier Devillers, and Gilles Schaeffer. Succinct representation of triangulations with a boundary. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 134–145. Springer-Verlag, Berlin-Heidelberg, 2005.
- [197] Dario Catalano and Ivan Visconti. Hybrid trapdoor commitments and their applications. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 298–310. Springer-Verlag, Berlin-Heidelberg, 2005.
- [198] Carlo Cattani, Evgenii A. Grebenikov, and Alexander N. Prokopenya. Symbolic calculations in studying the stability of dynamically symmetric satellite motion. In Victor G. Ganzha, Ernst W. Mayr, and

- Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 93–104. Springer-Verlag, Berlin-Heidelberg, 2005.
- [199] J. Cervelle, E. Formenti, and B. Masson. Basic properties for sand automata. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 192–211. Springer-Verlag, Berlin-Heidelberg, 2005.
- [200] Konstantin Chakhlevitch and Peter Cowling. Choosing the fittest subset of low level heuristics in a hyperheuristic framework. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 23–33. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [201] Parinya Chalermsook and Jittat Fakcharoenphol. Simple distributed algorithms for approximating minimum steiner trees. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 380–389. Springer-Verlag, Berlin-Heidelberg, 2005.
- [202] Jérémie Chalopin and Yves Métivier. A bridge between the asynchronous message passing model and local computations in graphs. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 212–223. Springer-Verlag, Berlin-Heidelberg, 2005.
- [203] Ho-Leung Chan, Jesper Jansson, Tak-Wah Lam, and Siu-Ming Yiu. Reconstructing an ultrametric galled phylogenetic network from a distance matrix. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical*

Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005), volume 3618 of *LNCS*, pages 224–235. Springer-Verlag, Berlin-Heidelberg, 2005.

- [204] Timothy M. Chan. All-pairs shortest paths with real weights in $o(n^3/\log n)$ time. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 318–324. Springer-Verlag, Berlin-Heidelberg, 2005.
- [205] Wun-Tat Chan, Francis Y.L. Chin, Yong Zhang, Hong Zhu, Hong Shen, and Prudence W.H. Wong. Off-line algorithms for minimizing total flow time in broadcast scheduling. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 318–328. Springer-Verlag, Berlin-Heidelberg, 2005.
- [206] Wun-Tat Chan, Tak-Wah Lam, Kin-Shing Liu, and Prudence W.H. Wong. New resource augmentation analysis of the total stretch of srpt and sjf in multiprocessor scheduling. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 236–247. Springer-Verlag, Berlin-Heidelberg, 2005.
- [207] Wun-Tat Chan, Tak-Wah Lam, and Prudence W.H. Wong. Dynamic bin packing of unit fractions items. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 614–626. Springer-Verlag, Berlin-Heidelberg, 2005.
- [208] Wun-Tat Chan, Yong Zhang, Stanley P.Y. Fung, Deshi Ye, and Hong Zhu. Efficient algorithms for finding a longest common increasing subsequence. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of*

- the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 665–674. Springer-Verlag, Berlin-Heidelberg, 2005.
- [209] Gerard Jennhwa Chang, Antonius J.J. Kloks, Jiping Liu, and Sheng-Lung Peng. The pigs full monty — a floor show of minimal separators. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 521–532. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [210] Maw-Shang Chang, Ton Kloks, Dieter Kratsch, Jiping Liu, and Sheng-Lung Peng. On the recognition of probe graphs of some self-complementary classes of perfect graphs. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 808–817. Springer-Verlag, Berlin-Heidelberg, 2005.
- [211] Krishnendu Chatterjee, Luca de Alfaro, and Thomas A. Henzinger. The complexity of stochastic rabin and streett games. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 878–890. Springer-Verlag, Berlin-Heidelberg, 2005.
- [212] Krishnendu Chatterjee and Thomas Henzinger. Semiperfect-information games. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 1–18. Springer-Verlag, Berlin-Heidelberg, 2005.
- [213] Arkadev Chattopadhyay and Kristoffer Arnsfelt Hansen. Lower bounds for circuits with few modular and symmetric gates. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti

- Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 994–1005. Springer-Verlag, Berlin-Heidelberg, 2005.
- [214] Amitabh Chaudhary and Michael T. Goodrich. Balanced aspect ratio trees revisited. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 73–85. Springer-Verlag, Berlin-Heidelberg, 2005.
- [215] Geeta Chaudhry and Thomas H. Cormen. Oblivious vs. distribution-based sorting: An experimental evaluation. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 317–328. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [216] Kamalika Chaudhuri, Anshul Kothari, Rudi Pendavingh, Ram Swaminathan, Robert Tarjan, and Yunhong Zhou. Server allocation algorithms for tiered systems. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 632–643. Springer-Verlag, Berlin-Heidelberg, 2005.
- [217] Danny Z. Chen, Xiaobo S. Hu, Shuang Luan, Shahid A. Naqvi, Chao Wang, and Cedric X. Yu. Generalized geometric approaches for leaf sequencing problems in radiation therapy. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 1176–1186. Springer-Verlag, Berlin-Heidelberg, 2005.
- [218] Erdong Chen, Hao Yuan, and Linji Yang. Longest increasing subsequences in windows based on canonical antichain partition. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005*

- (*Sanya, Hainan, China, December 19-21, 2005*), volume 3827 of *LNCS*, pages 1153–1162. Springer-Verlag, Berlin-Heidelberg, 2005.
- [219] Gen-Huey Chen, Jin-Ju Hong, and Hsueh-I Lu. An optimal algorithm for online square detection. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 280–287. Springer-Verlag, Berlin-Heidelberg, 2005.
- [220] Guantao Chen, Zhicheng Gao, Xingxing Yu, and Wenan Zang. Approximating the longest cycle problem on graphs with bounded degree. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 870–884. Springer-Verlag, Berlin-Heidelberg, 2005.
- [221] Hubie Chen. Quantified constraint satisfaction, maximal constraint languages, and symmetric polymorphisms. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 315–326. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [222] Jian-Jia Chen, Tei-Wei Kuo, and Hsueh-I Lu. Power-saving scheduling for weakly dynamic voltage scaling devices. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 338–349. Springer-Verlag, Berlin-Heidelberg, 2005.
- [223] Jianer Chen, Henning Fernau, Iyad A. Kanj, and Ge Xia. Parametric duality and kernelization: Lower bounds and upper bounds on kernel size. In Volker Diekert and Bruno Durand, editors, *Proceedings of the 22nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'2005 (Stuttgart, Germany, February 24-26, 2005)*, volume 3404 of *LNCS*, pages 269–280. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [224] Jianer Chen, Xiuzhen Huang, Iyad A. Kanj, and Ge Xia. w -hardness under linear fpt-reductions: Structural properties and further applications. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 975–984. Springer-Verlag, Berlin-Heidelberg, 2005.
- [225] Taolue Chen, Tingting Han, and Jian Lu. On the bisimulation congruence in χ -calculus. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 128–139. Springer-Verlag, Berlin-Heidelberg, 2005.
- [226] Xiaomin Chen, Mario Szegedy, and Lei Wang. Optimally balanced forward degree sequence. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 680–689. Springer-Verlag, Berlin-Heidelberg, 2005.
- [227] Xujin Chen, Guoli Ding, Xiaodong Hu, and Wenan Zang. A min-max relation on packing feedback vertex sets. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 126–135. Springer-Verlag, Berlin-Heidelberg, 2005.
- [228] Xujin Chen, Xiaodong Hu, and Tianping Shuai. Routing and coloring for maximal number of trees. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 199–209. Springer-Verlag, Berlin-Heidelberg, 2005.
- [229] Yuting Chen, Shaoying Liu, and Fumiko Nagoya. An approach to integration testing based on data flow specifications. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 235–249. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [230] Zhi-Zhong Chen and Takayuki Nagoya. Improved approximation algorithms for metric max tsp. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 179–190. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [231] Zhixiang Chen and Bin Fu. On the complexity of rocchio’s similarity-based relevance feedback algorithm. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 216–225. Springer-Verlag, Berlin-Heidelberg, 2005.
- [232] Zhixiang Chen and Bin Fu. A quadratic lower bound for rocchio’s similarity-based relevance feedback algorithm. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 955–964. Springer-Verlag, Berlin-Heidelberg, 2005.
- [233] Zhixiang Chen, Bin Fu, Yong Tang, and Binhai Zhu. A ptas for a disc covering problem using width-bounded separators. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 490–503. Springer-Verlag, Berlin-Heidelberg, 2005.
- [234] Chih-Huai Cheng, Kuan-Yu Chen, Wen-Chin Tien, and Kun-Mao Chao. Improved algorithms for the k maximum-sums problems. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 799–808. Springer-Verlag, Berlin-Heidelberg, 2005.
- [235] Ho-lun Cheng and Tony Tan. Approximating polygonal objects by deformable smooth surfaces. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk,*

Poland, August 29 - September 2, 2005), volume 3618 of *LNCS*, pages 248–259. Springer-Verlag, Berlin-Heidelberg, 2005.

- [236] Victor Chepoi, Bertrand Estellon, and Yann Vaxès. Approximation algorithms for forests augmentation ensuring two disjoint paths of bounded length. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 282–293. Springer-Verlag, Berlin-Heidelberg, 2005.
- [237] Ling Cheung, Nancy Lynch, Roberto Segala, and Frits Vaandrager. Switched probabilistic i/o automata. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 494–510. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [238] Yannick Chevalier and Michaël Rusinowitch. Combining intruder theories. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 639–651. Springer-Verlag, Berlin-Heidelberg, 2005.
- [239] Dmytro Chibisov, Victor Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov. Generation of orthogonal grids on curvilinear trimmed regions in constant time. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 105–114. Springer-Verlag, Berlin-Heidelberg, 2005.
- [240] Dmytro Chibisov, Victor Ganzha, Sergey Pankratov, and Christoph Zenger. Computer algebra in nanosciences: Modeling electronic states in quantum dots. In Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 115–124. Springer-Verlag, Berlin-Heidelberg, 2005.

- [241] Ehsan Chiniforooshan, Arash Farzan, and Mehdi Mirzazadeh. Worst case optimal union-intersection expression evaluation. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 179–190. Springer-Verlag, Berlin-Heidelberg, 2005.
- [242] Bogdan S. Chlebus, Leszek Gąsieniec, Dariusz R. Kowalski, and Tomasz Radzik. On the wake-up problem in radio networks. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 347–359. Springer-Verlag, Berlin-Heidelberg, 2005.
- [243] Minkyong Cho and David M. Mount. Improved approximation bounds for planar point pattern matching. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 432–443. Springer-Verlag, Berlin-Heidelberg, 2005.
- [244] George Christodoulou and Elias Koutsoupias. On the price of anarchy and stability of correlated equilibria of linear congestion games. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 59–70. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [245] Marek Chrobak, Claire Kenyon, and Neal E. Young. The reverse greedy algorithm for the metric k -median problem. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 654–660. Springer-Verlag, Berlin-Heidelberg, 2005.
- [246] Arthur D. Chtcherba, Deepak Kapur, and Manfred Minimair. Cayley-dixon resultant matrices of multi-univariate composed polynomials. In

- Victor G. Ganzha, Ernst W. Mayr, and Evgenii V. Vorozhtsov, editors, *Proceedings of the 8th International Workshop on Computer Algebra in Scientific Computing, CASC'2005 (Kalamata, Greece, September 12-16, 2005)*, volume 3718 of *LNCS*, pages 125–137. Springer-Verlag, Berlin-Heidelberg, 2005.
- [247] D. Chubarov and A. Voronkov. Basis of solutions for a system of linear inequalities in integers: Computation and applications. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 260–270. Springer-Verlag, Berlin-Heidelberg, 2005.
- [248] Fabián A. Chudak and Vânia Eleutério. Improved approximation schemes for linear programming relaxations of combinatorial optimization problems. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 81–96. Springer-Verlag, Berlin-Heidelberg, 2005.
- [249] Fan Chung, Ron Graham, Jia Mao, and Andrew Yao. Oblivious and adaptive strategies for the majority and plurality problems. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 329–338. Springer-Verlag, Berlin-Heidelberg, 2005.
- [250] Ferdinando Cicalese, Peter Damaschke, Libertad Tansini, and Sören Werth. Overlaps help: Improved bounds for group testing with interval queries. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 935–944. Springer-Verlag, Berlin-Heidelberg, 2005.
- [251] Ferdinando Cicalese and Eduardo Sany Laber. An optimal algorithm for querying priced information: Monotone boolean functions and game trees. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA '2005*

- (*Palma de Mallorca, Spain, October 3-6, 2005*), volume 3669 of *LNCS*, pages 664–676. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [252] Robert Clarisó, Enric Rodríguez-Carbonell, and Jordi Cortadella. Derivation of non-structural invariants of petri nets using abstract interpretation. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 188–207. Springer-Verlag, Berlin-Heidelberg, 2005.
- [253] Robert Cleary and Michael O’Neill. An attribute grammar decoder for the 01 multiconstrained knapsack problem. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 34–45. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [254] Peter Clifford, Raphaël Clifford, and Costas Iliopoulos. Faster algorithms for δ, γ -matching and related problems. In Alberto Apostolico, Maxime Crochemore, and Kunsoo Park, editors, *Proceedings of the 16th Annual Symposium on Combinatorial Pattern Matching, CPM'2005 (Jeju Island, Korea, June 19-22, 2005)*, volume 3537 of *LNCS*, pages 68–78. Springer-Verlag, Berlin-Heidelberg, 2005.
- [255] Bruno Codenotti, Benton McCune, Sriram Penumatcha, and Kasturi Varadarajan. Market equilibrium for ces exchange economies: Existence, multiplicity, and computation. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 505–516. Springer-Verlag, Berlin-Heidelberg, 2005.
- [256] Bruno Codenotti, Benton McCune, Rajiv Raman, and Kasturi Varadarajan. Computing equilibrium prices: Does theory meet practice? In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 83–94. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [257] Reuven Cohen, Pierre Fraigniaud, David Ilcinkas, Amos Korman, and David Peleg. Label-guided graph exploration by a finite automaton. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 335–346. Springer-Verlag, Berlin-Heidelberg, 2005.
- [258] Samuel Colin, Georges Mariano, and Vincent Poirriez. Duration calculus: A real-time semantic for b . In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 431–446. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [259] Jean-Paul Comet, Hanna Klaudel, and Stéphane Liauzu. Modeling multi-valued genetic regulatory networks using high-level petri nets. In Gianfranco Ciardo and Philippe Darondeau, editors, *Proceedings of the 26th International Conference on Applications and Theory of Petri Nets, ICATPN'2005 (Miami, FL, USA, June 20-25, 2005)*, volume 3536 of *LNCS*, pages 208–227. Springer-Verlag, Berlin-Heidelberg, 2005.
- [260] Giovanni Conforti, Damiano Macedonio, and Vladimiro Sassone. Spatial logics for bigraphs. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 766–778. Springer-Verlag, Berlin-Heidelberg, 2005.
- [261] William Cook, Daniel Espinoza, and Marcos Goycoolea. A study of domino-parity and k -parity constraints for the tsp. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 452–467. Springer-Verlag, Berlin-Heidelberg, 2005.
- [262] Luigi Pietro Cordella, Claudio de Stefano, Francesco Fontanella, and Angelo Marcelli. Evogenes, a new evolutionary approach to graph generation. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of*

- the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 46–57. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [263] Derek G. Corneil, Feodor F. Dragan, Ekkehard Köhler, and Chenyu Yan. Collective tree 1-spanners for interval graphs. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 151–162. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [264] José R. Correa, Andreas S. Schulz, and Nicolás E. Stier-Moses. On the inefficiency of equilibria in congestion games. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 167–181. Springer-Verlag, Berlin-Heidelberg, 2005.
- [265] José R. Correa and Michael R. Wagner. *lp*-based online scheduling: From single to parallel machines. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 196–209. Springer-Verlag, Berlin-Heidelberg, 2005.
- [266] Carlos Cotta. On the application of evolutionary algorithms to the consensus tree problem. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 58–67. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [267] Carlos Cotta and Antonio J. Fernández. Analyzing fitness landscapes for the optimal golomb ruler problem. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 68–79. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [268] Christophe Crespelle and Christophe Paul. Fully dynamic algorithm for recognition and modular decomposition of permutation graphs. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 38–48. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [269] Maxime Crochemore, Danny Hermelin, Gad M. Landau, and Stéphane Vialette. Approximating the 2-interval pattern problem. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 426–437. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [270] Miklós Csűrös and Bin Ma. Rapid homology search with two-stage extension and daughter seeds. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 104–114. Springer-Verlag, Berlin-Heidelberg, 2005.
- [271] Yun Cui, Lusheng Wang, and Daming Zhu. A 1.75-approximation algorithm for unsigned translocation distance. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 392–401. Springer-Verlag, Berlin-Heidelberg, 2005.
- [272] V. Cutello, G. Morelli, G. Nicosia, and M. Pavone. Immune algorithms with aging operators for the string folding problem and the protein folding problem. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 80–90. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [273] Eugen Czeizler and Jarkko Kari. A tight linear bound on the neighborhood of inverse cellular automata. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and*

- Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 410–420. Springer-Verlag, Berlin-Heidelberg, 2005.
- [274] Ovidiu Daescu, Joseph S.B. Mitchell, Simeon Ntafos, James D. Palmer, and Chee K. Yap. k -link shortest paths in weighted subdivisions. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005)*, volume 3608 of *LNCS*, pages 325–337. Springer-Verlag, Berlin-Heidelberg, 2005.
- [275] Vilhelm Dahllöf. Algorithms for max hamming exact satisfiability. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 829–838. Springer-Verlag, Berlin-Heidelberg, 2005.
- [276] Ugo Dal Lago and Martin Hofmann. Quantitative models and implicit complexity. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 189–200. Springer-Verlag, Berlin-Heidelberg, 2005.
- [277] Mila Dalla Preda and Roberto Giacobazzi. Semantic-based code obfuscation by abstract interpretation. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1325–1336. Springer-Verlag, Berlin-Heidelberg, 2005.
- [278] Peter Damaschke. On the fixed-parameter enumerability of cluster editing. In Dieter Kratsch, editor, *Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG'2005 (Metz, France, June 23-25, 2005)*, volume 3787 of *LNCS*, pages 283–294. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [279] Li Dan and Bernhard K. Aichernig. Combining algebraic and model-based test case generation. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 250–264. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [280] Konstantinos Daskalakis and Christos H. Papadimitriou. The complexity of games on highly regular graphs. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 71–82. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [281] Anupam Datta, Ante Derek, John C. Mitchell, Vitaly Shmatikov, and Mathieu Turuani. Probabilistic polynomial-time semantics for a protocol security logic. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 16–29. Springer-Verlag, Berlin-Heidelberg, 2005.
- [282] Conrado Daws. Symbolic and parametric model checking of discrete-time markov chains. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 280–294. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [283] Richard O. Day and Gary B. Lamont. Multiobjective quadratic assignment problem solved by an explicit building block search algorithm - momga-ii. In Günther R. Raidl and Jens Gottlieb, editors, *Proceedings of the 5th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP'2005 (Lausanne, Switzerland, March 30 - April 1, 2005)*, volume 3448 of *LNCS*, pages 91–100. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [284] Gianluca De Marco, Luisa Gargano, Evangelos Kranakis, Danny Krizanc, Andrzej Pelc, and Ugo Vaccaro. Asynchronous determinis-

- tic rendezvous in graphs. In Joanna Jędrzejowicz and Andrzej Szepietowski, editors, *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science, MFCS'2005 (Gdansk, Poland, August 29 - September 2, 2005)*, volume 3618 of *LNCS*, pages 271–282. Springer-Verlag, Berlin-Heidelberg, 2005.
- [285] Rocco De Nicola, Daniele Gorla, and Rosario Pugliese. Basic observables for a calculus for global computing. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1226–1238. Springer-Verlag, Berlin-Heidelberg, 2005.
- [286] Frank Dehne, Michael Fellows, Michael A. Langston, Frances Rosamond, and Kim Stevens. An $o(2^{O(k)}n^3)$ fpt algorithm for the undirected feedback vertex set problem. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 859–869. Springer-Verlag, Berlin-Heidelberg, 2005.
- [287] Federico Della Croce and Vangelis Th. Paschos. Computing optimal solutions for the min 3-set covering problem. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 685–692. Springer-Verlag, Berlin-Heidelberg, 2005.
- [288] Giorgio Delzanno and Maurizio Gabbrielli. Compositional verification of asynchronous processes via constraint solving. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1239–1250. Springer-Verlag, Berlin-Heidelberg, 2005.
- [289] Erik D. Demaine, Martin L. Demaine, Jeffrey F. Lindy, and Diane L. Souvaine. Hinged dissection of polypolyhedra. In Frank Dehne, Alejandro López-Ortiz, and Jörg-Rüdiger Sack, editors, *Proceedings of*

the 9th International Workshop on Algorithms and Data Structures, WADS'2005 (Waterloo, Canada, August 15-17, 2005), volume 3608 of *LNCS*, pages 205–217. Springer-Verlag, Berlin-Heidelberg, 2005.

- [290] Erik D. Demaine and Stefan Langerman. Optimizing a 2d function satisfying unimodality properties. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 887–898. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [291] Marc Demange, Bernard Kouakou, and Éric Soutif. On-line computation and maximum-weighted hereditary subgraph problems. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 433–442. Springer-Verlag, Berlin-Heidelberg, 2005.
- [292] Roman Dementiev, Lutz Kettner, and Peter Sanders. Stxxl: Standard template library for xxl data sets. In Gerth Stølting Brodal and Stefano Leonardi, editors, *Proceedings of the 13th Annual European Symposium on Algorithms, ESA'2005 (Palma de Mallorca, Spain, October 3-6, 2005)*, volume 3669 of *LNCS*, pages 640–651. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [293] Xiaotie Deng, Li-Sha Huang, and Minming Li. On walrasian price of cpu time. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 586–595. Springer-Verlag, Berlin-Heidelberg, 2005.
- [294] Yvo Desmedt, Yongge Wang, and Mike Burmester. A complete characterization of tolerable adversary structures for secure point-to-point transmissions without feedback. In Xiaotie Deng and Dingzhu Du, editors, *Proceedings of the 16th International Symposium on Algorithms and Computation, ISAAC'2005 (Sanya, Hainan, China, December 19-21, 2005)*, volume 3827 of *LNCS*, pages 277–287. Springer-Verlag, Berlin-Heidelberg, 2005.

- [295] Yvo Desmedt, Yongge Wang, Rei Safavi-Naini, and Huaxiong Wang. Radio networks with reliable communication. In Lusheng Wang, editor, *Proceedings of the 11th Annual International Conference on Computing and Combinatorics, COCOON'2005 (Kunming, China, August 16-29, 2005)*, volume 3595 of *LNCS*, pages 156–166. Springer-Verlag, Berlin-Heidelberg, 2005.
- [296] Kedar Dhamdhere, R. Ravi, and Mohit Singh. On two-stage stochastic minimum spanning trees. In Michael Jünger and Volker Kaibel, editors, *Proceedings of the 11th International Conference on Integer Programming and Combinatorial Optimization, IPCO'2005 (Berlin, Germany, June 8-10, 2005)*, volume 3509 of *LNCS*, pages 321–334. Springer-Verlag, Berlin-Heidelberg, 2005.
- [297] Ellie D'Hondt and Prakash Panangaden. Reasoning about quantum knowledge. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005)*, volume 3821 of *LNCS*, pages 553–564. Springer-Verlag, Berlin-Heidelberg, 2005.
- [298] Giovanni Di Crescenzo and Aggelos Kiayias. Asynchronous perfectly secure communication over one-time pads. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 216–227. Springer-Verlag, Berlin-Heidelberg, 2005.
- [299] Giovanni Di Crescenzo and Ivan Visconti. Concurrent zero knowledge in the public-key model. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 816–827. Springer-Verlag, Berlin-Heidelberg, 2005.
- [300] Deepak D'Souza and M. Raj Mohan. Eventual timed automata. In R. Ramanujam and Sandeep Sen, editors, *Proceedings of the 25th Inter-*

national Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2005 (Hyderabad, India, December 15-18, 2005), volume 3821 of *LNCS*, pages 322–334. Springer-Verlag, Berlin-Heidelberg, 2005.