References

[1] Karen Aardal, Cor Hurkens, and Arjen K. Lenstra. Solving a linear diophantine equation with lower and upper bounds on the variables. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 229–242. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[2] Martín Abadi. Protection in programming-language translations. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 868–883. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[3] Ali E. Abdallah. A graphical tool for the visualization and animation of communicating sequential processes. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 165–172. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[4] Hernán Abeledo and Gary Atkinson. Polyhedral combinatorics of benzenoid problems. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 202–212. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[5] James Abello, Adam L. Buchsbaum, and Jeffery R. Westbrook. A functional approach to external graph algorithms. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino

Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 332–343. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[6] James Abello and Emden Gansner. Short and smooth polygonal paths. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 151–162. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[7] Arthur Abnous, Katsunori Seno, Yuji Ichikawa, Marlene Wan, and Jan Rabaey. Evaluation of a low-power reconfigurable dsp architecture. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 55–60. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[8] Nael B. Abu-Ghazaleh and Philip A. Wilsey. Shared control — supporting control parallelism using a simd-like architecture. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1089–1099. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[9] Luca Aceto, Patricia Bouyer, Augusto Burgueño, and Kim G. Larsen. The power of reachability testing for timed automata. In V. Arvind and R. Ramanujam, editors, *Proceedings of the 18th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'98 (Chennai, India, December 17-19, 1998)*, volume 1530 of *LNCS*, pages 245–256. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[10] Micah Adler, Petra Berenbrink, and Klaus Schröder. Analyzing an infinite parallel job allocation process. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 417–428. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[11] Alok Aggarwal, S. Rao Kosaraju, and Mihai Pop. Drawing of two-dimensional irregular meshes. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 1–14. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[12] Nidhi Agrawal and C.P. Ravikumar. Adaptive routing based on deadlock recovery. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 981–988. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[13] Hee-Kap Ahn, Siu-Wing Cheng, and Otfried Cheong. Casting with skewed ejection direction. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 139–148. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[14] Oswin Aichholzer, Franz Aurenhammer, Christian Icking, Rolf Klein, Elmar Langetepe, and Günter Rote. Generalized self-approaching curves. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 317–326. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[15] Kento Aida, Hironori Kasahara, and Seinosuke Narita. Job scheduling scheme for pure space sharing among rigid jobs. In Dror G. Feitelson and Larry Rudolph, editors, *Proceedings of the 1998 IPPS/SPDP Workshop on Job Scheduling Strategies for Parallel Processing (Orlando, Florida, March 30, 1998)*, volume 1459 of *LNCS*, pages 98–121. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[16] Renata M. Aiex, Simone de L. Martins, Celso C. Ribeiro, and Noemi de la R. Rodriguez. Cooperative multi-thread parallel tabu search with an application to circuit partitioning. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 310–331. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[17] Marco Ajmone Marsan, Carla-Fabiana Chiasserini, and Andrea Fumagalli. Dimensioning handover buffers in wireless atm networks with gspn models. In Jörg Desel and Manuel Silva, editors, *Proceedings of the 19th International Conference on Application and Theory of Petri Nets, ICATPN'98 (Lisbon, Portugal, June 22-26, 1998)*, volume 1420 of *LNCS*, pages 44–63. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[18] Tatsuya Akutsu. Approximation and exact algorithms for rna secondary structure prediction and recognition of stochastic context-free languages. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 337–346. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[19] Tatsuya Akutsu and Mutsunori Yagiura. On the complexity of deriving score functions from examples for problems in molecular biology. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings*

of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998), volume 1443 of *LNCS*, pages 832–843. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[20] Jochen Alber and Rolf Niedermeier. On multi-dimensional hilbert indexings. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 329–338. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[21] Susanne Albers and Jeffery Westbrook. Self-organizing data structures. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442 of *LNCS*, pages 13–51. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[22] Mikel Aldaz, Joos Heintz, Guillermo Matera, José L. Montaña, and Luis M. Pardo. Combinatorial hardness proofs for polynomial evaluation. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 167–175. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[23] Panayiotis Alefragis, Christos Goumopoulos, Efthymios Housos, Peter Sanders, Tuomo Takkula, and Dag Wedelin. Parallel crew scheduling in paros. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1104–1113. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[24] Michael Alekhnovich, Sam Buss, Shlomo Moran, and Toniann Pitassi. Minimum propositional proof length is *np*-hard to linearly approxi-

mate. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 176–184. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[25] Lyudmil Aleksandrov, Mark Lanthier, Anil Maheshwari, and Jörg-R. Sack. An ϵ-approximation algorithm for weighted shortest paths on polyhedral surfaces. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 11–22. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[26] Bader Almohammad and Bella Bose. Fault-tolerant broadcasting in toroidal networks. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 681–692. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[27] Noga Alon. Spectral techniques in graph algorithms. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 206–215. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[28] Rajeev Alur. Efficient formal verification of hierarchical descriptions. In V. Arvind and R. Ramanujam, editors, *Proceedings of the 18th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'98 (Chennai, India, December 17-19, 1998)*, volume 1530 of *LNCS*, pages 269–269. Springer-

Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[29] Rajeev Alur, Ken McMillan, and Doron Peled. Deciding global partial-order properties. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 41–52. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[30] Kazuyuki Amano and Akira Maruoka. A superpolynomial lower bound for a circuit computing the clique function with at most $(1/6) \log \log n$ negation gates. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 399–408. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[31] Andris Ambainis, David Mix Barrington, and Huong LêThanh. On counting ac^0 circuits with negative constants. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 409–417. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[32] Klaus Ambos-Spies, Steffen Lempp, and Gunter Mainhardt. Randomness vs. completeness: On the diagonalization strength of resource-bounded random sets. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 465–473. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[33] Amihood Amir, Gad M. Landau, Moshe Lewenstein, and Noa Lewenstein. Efficient special cases of pattern matching with swaps. In Martin Farach-Colton, editor, *Proceedings of the 9th Annual Symposium on Combinatorial Pattern Matching, CPM'98 (Piscataway, New Jersey, USA, July 20-22, 1998)*, volume 1448 of *LNCS*, pages 209–220. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[34] Brad Andalman, Kathy Ryall, Wheeler Ruml, Joe Marks, and Stuart Shieber. Desigh gallery browsers based on 2d and 3d graph drawing. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 322–329. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[35] Gunnar Andersson and Lars Engebretsen. Sampling methods applied to dense instances of non-boolean optimization problems. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 357–368. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[36] Rumen Andonov, Sanjay Rajopadhye, and Nicola Yanev. Optimal orthogonal tiling. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 480–490. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[37] Artur Andrzejak. Introduction to randomized algorithms. In Ernst W. Mayr, Hans Jürgen Prömel, and Angelika Steger, editors, *Lectures on Proof Verification and Approximation Algorithms*, volume 1367 of *LNCS*, pages 29–39. Springer-Verlag, Berlin-Heidelberg-

New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[38] Konstantinos Antonis, John Garofalakis, and Paul Spirakis. A competitive symmetrical transfer policy for load sharing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 352–355. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[39] Gheorghe Antonoiu and Pradip K. Srimani. Mutual exclusion between neighboring nodes in a tree that stabilizes using read/write atomicity. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 545–553. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[40] Dmitry Arapov, Alexey Kalinov, Alexey Lastovetsky, and Ilya Ledovskih. Experiments with mpc: Efficient solving regular problems on heterogeneous networks of computers via irregularization. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 332–343. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[41] Peter Arbenz and Roman Geus. Parallel solvers for large eigenvalue problems originating from maxwell's equations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 771–779. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[42] Hiroki Arimura and Shinichi Shimozono. Maximizing agreement with a classification by bounded or unbounded number of associated words. In

Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 39–48. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[43] Roy Armoni. On the derandomization of space-bounded computations. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 47–59. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[44] André Arnold. Synchronized products of transition systems and their analysis. In Jörg Desel and Manuel Silva, editors, *Proceedings of the 19th International Conference on Application and Theory of Petri Nets, ICATPN'98 (Lisbon, Portugal, June 22-26, 1998)*, volume 1420 of *LNCS*, pages 26–27. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[45] Boris Aronov, Alon Efrat, Dan Halperin, and Micha Sharir. On the number of regular vertices of the union of jordan regions. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 322–334. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[46] Boris Aronov, Leonidas J. Guibas, Marek Teichmann, and Li Zhang. Visibility queries in simple polygons and applications. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 357–366. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[47] Boris Aronov, Marc van Kreveld, René van Oostrum, and Kasturirangan Varadarajan. Facility location on terrains. In Kyung-Yong

Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 19–28. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[48] V. Arvind, R. Beigel, and A. Lozano. The complexity of modular graph automorphism. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 172–182. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[49] Tetsuo Asano, Hiro Ito, Souichi Kimura, and Shigeaki Shimazu. Repairing flaws in a picture based on a geometric representation of a digital image. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 149–158. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[50] Tetsuo Asano, Naoki Katoh, Hisao Tamaki, and Takeshi Tokuyama. Convertibility among grid filling curves. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 307–316. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[51] James Aspnes. Competitive analysis of distributed algorithms. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442 of *LNCS*, pages 118–146. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[52] Bengt Aspvall, Magnús M. Halldórsson, and Fredrik Manne. Approximations for the general block distribution of a matrix. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden,*

July 8-10, 1998), volume 1432 of *LNCS*, pages 47–58. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[53] Bengt Aspvall, Andrzej Proskurowski, and Jan Arne Telle. Memory requirements for table computations in partial k-tree algorithms. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 222–233. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[54] Mikhail J. Atallah and Danny Z. Chen. Parallel geometric algorithms in coarse-grain network models. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 55–64. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[55] Vincenzo Auletta, Ioannis Caragiannis, Christos Kaklamanis, and Pino Persiano. On the complexity of wavelength converters. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 771–779. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[56] Giorgio Ausiello, Giuseppe F. Italiano, and Umberto Nanni. Hypergraph traversal revisited: Cost measures and dynamic algorithms. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 1–16. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[57] Yossi Azar. On-line load balancing. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume

1442 of *LNCS*, pages 178–195. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[58] Yossi Azar and Leah Epstein. Approximation schemes for covering and scheduling in related machines. In Klaus Jansen and José Rolim, editors, *Proceedings of the International Workshop on Approximation Algorithms for Combinatorial Optimization, APPROX'98 (Aalborg, Denmark, July 18-19, 1998)*, volume 1444 of *LNCS*, pages 39–47. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[59] Yossi Azar and Oded Regev. On-line bin-stretching. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 71–81. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[60] Matthias Baaz, Agata Ciabattoni, Christian Fermüller, and Helmut Veith. Proof theory of fuzzy logics: Urquhart's c and related logics. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 203–212. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[61] Luitpold Babel and Stephan Olariu. Domination and steiner tree problems on graphs with few p_4s. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 337–350. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[62] Ricardo Baeza-Yates, Joaquim Gabarró, and Xavier Messeguer. Fringe analysis of synchronized parallel algorithms on 2-3 trees. In Michael

Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 131–144. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[63] Ricardo Baeza-Yates and Gonzalo Navarro. Fast two-dimensional approximate pattern matching. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 341–351. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[64] Ricardo A. Baeza-Yates. Similarity in two-dimensional strings. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 319–328. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[65] Christel Baier, Joost-Pieter Katoen, and Diego Latella. Metric semantics for true concurrent real time. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 568–579. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[66] Brenda S. Baker and Raffaele Giancarlo. Longest common subsequence from fragments via sparse dynamic programming. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 79–90. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[67] Mark Baker and Geoffrey Fox. Mpi on nt: A preliminary evaluation of the available environments. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 549–563. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[68] Paolo Baldan, Andrea Corradini, and Ugo Montanari. Concatenable graph processes: Relating processes and derivation traces. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 283–295. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[69] Adi Bar-Lev, Ayal Itzkovitz, Alon Raviv, and Assaf Schuster. Parallel vertex-to-vertex radiosity on a distributed shared memory system. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 238–250. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[70] Reuven Bar-Yehuda. One for the price of two: A unified approach for approximating covering problems. In Klaus Jansen and José Rolim, editors, *Proceedings of the International Workshop on Approximation Algorithms for Combinatorial Optimization, APPROX'98 (Aalborg, Denmark, July 18-19, 1998)*, volume 1444 of *LNCS*, pages 49–62. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[71] Fabricio Alves Barbosa da Silva, Luis Miguel Campos, and Isaac D. Scherson. A lower bound for dynamic scheduling of data parallel programs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 367–372. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[72] Naser S. Barghouti, John M. Mocenigo, and Wenke Lee. Grappa: A graph package in java. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 336–343. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[73] Michel Barreteau, François Bodin, Peter Brinkhaus, Zbigniew Chamski, Henri-Pierre Charles, Christine Eisenbeis, John Gurd, Jan Hoogerbrugge, Ping Hu, William Jalby, Peter M.W. Knijnenburg, Michael O'Boyle, Erven Rohou, Rizos Sakellariou, André Seznec, Elena A. Stöhr, Menno Treffers, and Harry A.G. Wijshoff. Oceans: Optimising compilers for embedded applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1123–1130. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[74] Chris Barrett, Riko Jacob, and Madhav Marathe. Formal language constrained path problems. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 234–245. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[75] David A. Mix Barrington, Chi-Jen Lu, Peter Bro Miltersen, and Sven Skyum. Searching constant width mazes captures the ac^0 hierarchy. In

Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 73–83. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[76] Yair Bartal. Distributed paging. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442 of *LNCS*, pages 97–117. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[77] Yair Bartal, Marek Chrobak, and Lawrence L. Larmore. A randomized algorithm for two servers on the line. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 247–258. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[78] Gilles Barthe. The relevance of proof-irrelevance. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 755–768. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[79] Gilles Barthe. The semi-full closure of pure type systems. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 316–325. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[80] Klaus Barthelmann. When can an equational simple graph be generated by hyperedge replacement? In Luboš Brim, Jozef

Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 543–552. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[81] Alexander Barvinok, David S. Johnson, Gerhard J. Woeginger, and Russell Woodroofe. The maximum traveling salesman problem under polyhedral norms. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 195–201. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[82] Frédérique Bassino, Marie-Pierre Béal, and Dominique Perrin. Superstate automata and rational trees. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 42–52. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[83] Jordi Bataller and José M. Bernabéu-Aubán. Adaptable distributed shared memory: A formal definition. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 887–891. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[84] Christoph Baur and Sándor P. Fekete. Approximation of geometric dispersion problems. In Klaus Jansen and José Rolim, editors, *Proceedings of the International Workshop on Approximation Algorithms for Combinatorial Optimization, APPROX'98 (Aalborg, Denmark, July 18-19, 1998)*, volume 1444 of *LNCS*, pages 63–75. Springer-Verlag, Berlin-

Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[85] Cristina Bazgan, Miklos Santha, and Zsolt Tuza. Efficient approximation algorithms for the subset-sums equality problem. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 387–396. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[86] Cristina Bazgan, Miklos Santha, and Zsolt Tuza. On the approximation of finding a(nother) hamiltonian cycle in cubic hamiltonian graphs. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 276–286. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[87] Donald Beaver. One-time tables for two-party computation. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 361–370. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[88] Olav Beckmann and Paul H.J. Kelly. Data distribution at run-time: Re-using execution plans. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 413–421. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[89] Nicolas Bedon and Olivier Carton. An eilenberg theorem for words on countable ordinals. In Cláudio L. Lucchesi and Arnaldo V. Moura,

editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 53–64. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[90] Jan Behrens and Stephan Waack. Equivalence test and ordering transformation for parity-obdds of different variable ordering. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 227–237. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[91] Richard Beigel and Egemen Tanin. The geometry of browsing. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 331–340. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[92] Mihir Bellare, Juan A. Garay, and Tal Rabin. Batch verification with applications to cryptography and checking. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 170–191. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[93] Amir M. Ben-Amram and Holger Petersen. Cons-free programs with tree input. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 271–282. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[94] Yosi Ben-Asher and Gady Haber. Parallel solutions of simple indexed recurrence equations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 933–939. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[95] Marcin Benke. Predicative polymorphic subtyping. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 326–335. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[96] Levke Bentzien. Positive turing and truth-table completeness for nexp are incomparable. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 474–482. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[97] Véronique Benzaken, Nicolas Hugon, Hanna Klaudel, Elisabeth Pelz, and Robert-C. Riemann. m-net calculus based semantics for triggers. In Jörg Desel and Manuel Silva, editors, *Proceedings of the 19th International Conference on Application and Theory of Petri Nets, ICATPN'98 (Lisbon, Portugal, June 22-26, 1998)*, volume 1420 of *LNCS*, pages 306–325. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[98] Piotr Berman. On-line searching and navigation. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442 of *LNCS*, pages 232–241. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[99] Piotr Berman and Chris Coulston. Speed is more powerful than clairvoyance. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 255–263. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[100] Piotr Berman and Juan A. Garay. Adaptability and the usefulness of hints. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 271–282. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[101] Anna Bernasconi. Combinatorial properties of classes of functions hard to compute in constant depth. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 339–348. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[102] Daniel J. Bernstein. Bounding smooth integers. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 128–130. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[103] Rudolf Berrendorf. Optimizing load balance and communication on parallel computers with distributed shared memory. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 299–306. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[104] Jonathan Berry, Nathaniel Dean, Mark Goldberg, Gregory Shannon, and Steven Skiena. Graph drawing and manipulation with link. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 425–437. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[105] E. Bertino, G. Chiola, and L.V. Mancini. Deadlock detection in the face of transaction and data dependencies. In Jörg Desel and Manuel Silva, editors, *Proceedings of the 19th International Conference on Application and Theory of Petri Nets, ICATPN'98 (Lisbon, Portugal, June 22-26, 1998)*, volume 1420 of *LNCS*, pages 266–285. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[106] Paola Bertolazzi, Giuseppe di Battista, and Walter Didimo. Quasi-upward planarity. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 15–29. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[107] Jean-Luc Beuchat, Jacques-Olivier Haenni, and Eduardo Sanchez. Hardware reconfigurable neural networks. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 91–98. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[108] S.L. Bezrukov, J.D. Chavez, L.H. Harper, M. Röttger, and U.-P. Schroeder. Embedding of hypercubes into grids. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 693–701. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[109] Randeep Bhatia, Sudipto Guha, Samir Khuller, and Yoram J. Sussmann. Facility location with dynamic distance functions. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 23–34. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[110] Saad Biaz and Nitin H. Vaidya. Performance analysis of a fault-tolerant scheme for location management of mobile hosts. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 756–769. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[111] T. Biedl, T. Shermer, S. Whitesides, and S. Wismath. Orthogonal 3-d graph drawing. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 76–86. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[112] Therese Biedl, Michael Kaufmann, and Petra Mutzel. Drawing planar partitions ii: Hh-drawings. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 124–136. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[113] Therese Biedl, Joe Marks, Kathy Ryall, and Sue Whitesides. Graph multidrawing: Finding nice drawings without defining nice. In Sue H. Whitesides, editor, *Proceedings of the 6th International*

Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998), volume 1547 of *LNCS*, pages 347–355. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[114] Therese C. Biedl. Three approaches to 3d-orthogonal box-drawings. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 30–43. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[115] Therese C. Biedl, Brendan P. Madden, and Ioannis G. Tollis. The three-phase method: A unified approach to orthogonal graph drawing. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 391–402. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[116] G.M. Bierman. A computational interpretation of the $\lambda\mu$-calculus. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 336–345. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[117] Elmar Bihler and Walter Vogler. Efficiency of token-passing mutex-solutions — some experiments. In Jörg Desel and Manuel Silva, editors, *Proceedings of the 19th International Conference on Application and Theory of Petri Nets, ICATPN'98 (Lisbon, Portugal, June 22-26, 1998)*, volume 1420 of *LNCS*, pages 185–204. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[118] Dario Bini, Gianna M. del Corso, Giovanni Manzini, and Luciano Margara. Inversion of circulant matrices over z_m. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of*

the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998), volume 1443 of *LNCS*, pages 719–730. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[119] Stefan Bischof, Ralf Ebner, and Thomas Erlebach. Load balancing for problems with good bisectors, and applications in finite element simulations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 383–389. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[120] Stefan Bischof and Ernst W. Mayr. On-line scheduling of parallel jobs with runtime restrictions. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 119–128. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[121] Wolfgang Blochinger, Wolfgang Küchlin, and Andreas Weber. The distributed object-oriented threads system dots. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 206–217. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[122] Johannes Blömer. A probabilistic zero-test for expressions involving roots of rational numbers. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 151–162. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[123] Antonia W. Bluher. Formal groups, elliptic curves, and some theorems of couveignes. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 482–501. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[124] Avrim Blum. On-line algorithms in machine learning. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442 of *LNCS*, pages 306–325. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[125] Joachim M. Blum, Thomas M. Warschko, and Walter F. Tichy. Pulc: Parastation user-level communication — design and overview. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 498–509. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[126] Hans-Joachim Böckenhauer. Communication in the two-way listen-in vertex-disjoint paths mode. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 38–49. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[127] J.-P. Bodeveix and M. Filali. On the automatic validation of parameterized unity programs. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume

1388 of *LNCS*, pages 807–819. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[128] Hans L. Bodlaender and Torben Hagerup. Tree decompositions of small diameter. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 702–712. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[129] Cristina Boeres, Vinod E.F. Rebello, and David B. Skillicorn. Static scheduling using task replication for logp and bsp models. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 337–346. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[130] Jürgen Bohn, Werner Damm, Orna Grumberg, Hardi Hungar, and Karen Laster. First-order-ctl model checking. In V. Arvind and R. Ramanujam, editors, *Proceedings of the 18th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'98 (Chennai, India, December 17-19, 1998)*, volume 1530 of *LNCS*, pages 283–294. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[131] Bernard Boigelot, Stéphane Rassart, and Pierre Wolper. On the expressiveness of real and integer arithmetic automata. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 152–163. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[132] Dan Boneh. The decision diffie-hellman problem. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Num-*

ber Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998), volume 1423 of *LNCS*, pages 48–63. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[133] Dan Boneh and Jeremy Horwitz. Generating a product of three primes with an unknown factorization. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 237–251. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[134] Richard Bonner, Rūsiņš Freivalds, Jānis Lapiņš, and Antra Lukjanska. Nonstochastic languages as projections of 2-tape quasideterministic languages. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 213–219. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[135] Bernd Borchert, Dietrich Kuske, and Frank Stephan. On existentially first-order definable languages and their relation to *np*. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 17–28. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[136] Egon Börger and Wolfram Schulte. Defining the java virtual machine as platform for provably correct java compilation. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 17–35. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[137] Leonardo Borges and Suely Oliveira. A parallel solver for extreme eigenpairs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 763–770. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[138] Prosenjit Bose. On embedding an outer-planar graph in a point set. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 25–36. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[139] Prosenjit Bose and Pat Morin. Testing the quality of manufactured disks and cylinders. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 129–138. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[140] Vincent Bouchitté and Ioan Todinca. Minimal triangulations for graphs with "few" minimal separators. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 344–355. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[141] G. Andrew Boughton. Arctic switch fabric. In Sudhakar Yalamanchili and José Duato, editors, *Proceedings of the 2nd International Workshop on Parallel Computer Routing and Communication, PCRCW'97 (Atlanta, Georgia, June 26-27, 1997)*, volume 1417 of *LNCS*, pages 65–72. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[142] Azzedine Boukerche and Sajal K. Das. Experimental studies in load balancing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 318–321. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[143] Azzedine Boukerche, Timothy E. LeMaster, Sajal K. Das, and Ajoy Datta. Virtual time synchronization in distributed database systems using a cluster of workstations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 534–538. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[144] Pierre Boulet and Xavier Redon. Communication pre-evaluation in hpf. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 263–272. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[145] J.C. Bradfield. Simplifying the modal mu-calculus alternation hierarchy. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 39–49. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[146] Phil Bradford, Mordecai J. Golin, Lawrence L. Larmore, and Wojciech Rytter. Optimal prefix-free codes for unequal letter costs: Dynamic programming with the monge property. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume

1461 of *LNCS*, pages 43–54. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[147] F.J. Brandenburg. Graph clustering i: Cycles of cliques. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 158–168. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[148] Thomas Brandes, Frédéric Brégier, Marie Christine Counilh, and Jean Roman. Contribution to better handling of irregular problems in hpf2. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 639–649. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[149] Thomas Brandes and Cécile Germain. A tracing protocol for optimizing data parallel irregular computations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 629–638. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[150] Ulrik Brandes and Dorothea Wagner. A bayesian paradigm for dynamic graph layout. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 236–247. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[151] Ulrik Brandes and Dorothea Wagner. Dynamic grid embedding with few bends and changes. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on*

Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998), volume 1533 of *LNCS*, pages 89–98. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[152] Ulrik Brandes and Dorothea Wagner. Using graph layout to visualize train interconnection data. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 44–56. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[153] Gilles Brassard. New horizons in quantum information processing. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 769–771. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[154] Gilles Brassard, Peter Høyer, and Alain Tapp. Quantum counting. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 820–831. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[155] Gilles Brassard, Peter Høyer, and Alain Tapp. Quantum cryptanalysis of hash and claw-free functions. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 163–169. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[156] Vasco Brattka, Klaus Weihrauch, and Xizhong Zheng. Approaches to effective semi-continuity of real functions. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th An-*

nual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998), volume 1449 of *LNCS*, pages 184–193. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[157] Gordon Brebner and Adam Donlin. Runtime reconfigurable routing. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 25–30. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[158] Richard P. Brent. Random number generation and simulation on vector and parallel computers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1–20. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[159] Stina Bridgeman and Roberto Tamassia. Difference metrics for interactive orthogonal graph drawing algorithms. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 57–71. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[160] Stina S. Bridgeman, Jody Fanto, Ashim Garg, Roberto Tamassia, and Luca Vismara. Interactivegiotto: An algorithm for interactive orthogonal graph drawing. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 303–308. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[161] Gerth Stølting Brodal and Jyrki Katajainen. Worst-case efficient external-memory priority queues. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 107–118. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[162] Gerth Stølting Brodal and M. Cristina Pinotti. Comparator networks for binary heap construction. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 158–168. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[163] Andrei Z. Broder, Moses Charikar, and Michael Mitzenmacher. A derandomization using min-wise independent permutations. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 15–24. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[164] Andrei Z. Broder, Alan M. Frieze, and Eli Upfal. Dynamic packet routing on arrays with bounded buffers. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 273–281. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[165] Hajo Broersma, Andreas Huck, Ton Kloks, Otto Koppius, Dieter Kratsch, Haiko Müller, and Hilde Tuinstra. Degree-preserving forests. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28,*

1998), volume 1450 of *LNCS*, pages 713–721. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[166] Hajo Broersma, Ton Kloks, Dieter Kratsch, and Haiko Müller. A generalization of at-free graphs and a generic algortihm for solving treewidth, minimum fill-in and vertex ranking. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 88–99. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[167] Richard C. Brower. The qcd abacus: A cellular automata formulation for continuous gauge symmetries. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — in Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing, IPPS/SPDP'98 (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 584–584. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[168] Lionel Brunie and Ernst Mayr. Workshop 05+15 — distributed systems and databases. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 503–504. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[169] Sharon Brunnett. Balancing the load in large-scale distributed entity-level simulations. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 344–355. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[170] Nader H. Bshouty and Lynn Burroughs. Massaging a linear programming solution to give a 2-approximation for a generalization of the vertex cover problem. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 298–308. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[171] Antonio Bucciarelli and Ivano Salvo. Totality, definability and boolean circuits. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 808–819. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[172] Peter Buchholz. Iterative decomposition and aggregation of labeled gspns. In Jörg Desel and Manuel Silva, editors, *Proceedings of the 19th International Conference on Application and Theory of Petri Nets, ICATPN'98 (Lisbon, Portugal, June 22-26, 1998)*, volume 1420 of *LNCS*, pages 226–245. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[173] Thomas Buchholz, Andreas Klein, and Martin Kutrib. One guess one-way cellular arrays. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 807–815. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[174] Adam L. Buchsbaum, Raffaele Giancarlo, and Jeffery R. Westbrook. On the determinization of weighted finite automata. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 482–493. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[175] Harry Buhrman, Dieter van Melkebeek, Kenneth W. Regan, D. Sivakumar, and Martin Strauss. A generalization of resource-bounded measure, with an application. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 161–171. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[176] J. Mark Bull. Feedback guided dynamic loop scheduling: Algorithms and experiments. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 377–382. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[177] Marc Bumble and Lee Coraor. Implementing parallelism in random discrete event-driven simulation. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 418–427. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[178] Peter Bürgisser. On the structure of valiant's complexity classes. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 194–204. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[179] Mike Burmester, Yvo Desmedt, and Yongge Wang. Using approximation hardness to achieve dependable computation. In Michael Luby,

José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 172–186. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[180] Gregory T. Byrd and Michael J. Flynn. Evaluation of communication mechanisms in invalidate-based shared memory multiprocessors. In Sudhakar Yalamanchili and José Duato, editors, *Proceedings of the 2nd International Workshop on Parallel Computer Routing and Communication, PCRCW'97 (Atlanta, Georgia, June 26-27, 1997)*, volume 1417 of *LNCS*, pages 159–170. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[181] Jin-Yi Cai, Lane A. Hemaspaandra, and Gerd Wechsung. Robust reductions. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 174–183. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[182] Liming Cai, David Juedes, and Iyad Kanj. The inapproximability on non *np*-hard optimization problems. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 437–446. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[183] Tiziana Calamoneri and Miriam di Ianni. Interval routing & layered cross product: Compact routing schemes for butterflies, mesh of trees and fat trees. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1029–1039. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[184] Tiziana Calamoneri and Annalisa Massini. On three-dimensional layout of interconnection networks. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 64–75. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[185] Hugues Calbrix and Teodor Knapik. A string-rewriting characterization of muller and schupp's context-free graphs. In V. Arvind and R. Ramanujam, editors, *Proceedings of the 18th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'98 (Chennai, India, December 17-19, 1998)*, volume 1530 of *LNCS*, pages 331–342. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[186] Gruia Călinescu, Cristina G. Fernandes, and Bruce Reed. Multicuts in unweighted graphs with bounded degree and bounded tree-width. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 137–152. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[187] Cristian S. Calude, Peter H. Hertling, Bakhadyr Khoussainov, and Yongge Wang. Recursively enumerable reals and chaitin ω numbers. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 596–606. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[188] Bryan Carpenter, Guansong Zhang, Geoffrey Fox, Xiaoming Li, Xinying Li, and Yuhong Wen. Towards a java environment for spmd

programming. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 659–668. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[189] Robert Carr and R. Ravi. A new bound for the 2-edge connected subgraph problem. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 112–125. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[190] Jesús Carretero, Jaechun No, Alok Choudhary, and Pang Chen. Compassion: A parallel i/o runtime system including chunking and compression for irregular applications. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 262–273. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[191] Ilaria Castellani and Matthew Hennessy. Testing theories for asynchronous languages. In V. Arvind and R. Ramanujam, editors, *Proceedings of the 18th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'98 (Chennai, India, December 17-19, 1998)*, volume 1530 of *LNCS*, pages 90–101. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[192] Gianpiero Cattaneo and Luciano Margara. Topological definitions of chaos applied to cellular automata dynamics. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume

1450 of *LNCS*, pages 816–824. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[193] Gerson G.H. Cavalheiro, Yves Denneulin, and Jean-Louis Roch. A general modular specification for distributed schedulers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 373–376. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[194] Sebastián Ceria and Gábor Pataki. Solving integer and disjunctive programs by lift and project. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 271–283. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[195] Vicente Cerverón and Ariadna Fuertes. Parallel random search and tabu search for the minimal consistent subset selection problem. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 248–259. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[196] Giovanni Cesari. Parallel implementation of schönhage's integer gcd algorithm. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 64–76. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[197] Marco Cesati and Miriam di Ianni. Parameterized parallel complexity. In David Pritchard and Jeff Reeve, editors, *Proceedings*

of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998), volume 1470 of *LNCS*, pages 892–896. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[198] K. Mani Chandy, Paolo A.G. Sivilotti, and Joseph R. Kiniry. A cottage industry of software publishing: Implications for theories of composition. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 890–899. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[199] Ilwoo Chang, Matti A. Hiltunen, and Richard D. Schlichting. Affordable fault tolerance through adaptation. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 585–603. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[200] H.S. Chao, F.R. Hsu, and R.C.T. Lee. An optimal algorithm for finding the minimum cardinality dominating set on permutation graphs. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 309–318. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[201] Barbara Chapman and Piyush Mehrotra. Openmp and hpf: Integrating two paradigms. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume

1470 of *LNCS*, pages 650–658. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[202] Michel Charpentier, Mamoun Filali, Philippe Mauran, Gérard Padiou, and Philippe Quéinnec. Tailoring unity to distributed program design. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 820–832. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[203] Christian Charras, Thierry Lecrog, and Joseph Daniel Pehoushek. A very fast string matching algorithm for small alphabets and long patterns. In Martin Farach-Colton, editor, *Proceedings of the 9th Annual Symposium on Combinatorial Pattern Matching, CPM'98 (Piscataway, New Jersey, USA, July 20-22, 1998)*, volume 1448 of *LNCS*, pages 55–64. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[204] Shiva Chaudhuri, K.V. Subrahmanyam, Frank Wagner, and Christos D. Zaroliagis. Computing mimicking networks. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 556–567. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[205] Bernard Chazelle. Car-pooling as a data structuring device: The soft heap. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 35–42. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[206] Bernard Chazelle. The discrepancy method. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 1–3. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[207] Chandra Chekuri and Michael Bender. An efficient approximation algorithm for minimizing makespan on uniformly related machines. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 383–393. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[208] Danny Z. Chen and Ovidiu Daescu. Space-efficient algorithms for approximating polygonal curves in two dimensional space. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 45–54. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[209] Danny Z. Chen, Ovidiu Daescu, Xiaobo (Sharon) Hu, and Jinhui Xu. Finding an optimal path without growing the tree. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 356–367. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[210] Danny Z. Chen and Jinhui Xu. Two-variable linear programming in parallel. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 169–180. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[211] Siu-Wing Cheng and Kam-Hing Lee. Quadtree decomposition, steiner triangulation, and ray shooting. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 367–376. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[212] Joseph Cheriyan, Tibor Jordán, and Zeev Nutov. Approximating k-outconnected subgraph problems. In Klaus Jansen and José Rolim, editors, *Proceedings of the International Workshop on Approximation Algorithms for Combinatorial Optimization, APPROX'98 (Aalborg, Denmark, July 18-19, 1998)*, volume 1444 of *LNCS*, pages 77–88. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[213] Joseph Cheriyan, András Sebő, and Zoltán Szigeti. An improved approximation algorithm for minimum size 2-edge connected spanning subgraphs. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 126–136. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[214] Andrew A. Chien and Jae H. Kim. Approaches to quality of service in high-performance networks. In Sudhakar Yalamanchili and José Duato, editors, *Proceedings of the 2nd International Workshop on Parallel Computer Routing and Communication, PCRCW'97 (Atlanta, Georgia, June 26-27, 1997)*, volume 1417 of *LNCS*, pages 1–17. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[215] G. Chiola and G. Ciaccio. Active ports: A performance-oriented operating system support to fast lan communications. In David Pritchard

and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 620–624. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[216] Giovanni Chiola. Manual and automatic exploitation of symmetries in spn models. In Jörg Desel and Manuel Silva, editors, *Proceedings of the 19th International Conference on Application and Theory of Petri Nets, ICATPN'98 (Lisbon, Portugal, June 22-26, 1998)*, volume 1420 of *LNCS*, pages 28–43. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[217] Christian Choffrut and Sandor Horvath. Equations in transfinite strings. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 656–664. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[218] Joonsoo Choi, Chan-Su Shin, and Sung Kwon Kim. Computing weighted rectilinear median and center set in the presence of obstacles. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 29–38. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[219] Ka Wong Chong and Edgar A. Ramos. Improved deterministic parallel padded sorting. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 405–416. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[220] Nikos Chrisochoides. Parallel run-time system for adaptive mesh refinement. In A. Ferreira, J. Rolim, H. Simon, and S.-H.

Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 396–405. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[221] Thomas Christof, Marcus Oswald, and Gerhard Reinelt. Consecutive ones and a betweenness problem in computational biology. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 213–228. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[222] Marek Chrobak and Christoph Dürr. Reconstructing polyatomic structures from discrete x-rays: *np*-completeness proof for three atoms. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 185–193. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[223] Marek Chrobak and Lawrence L. Larmore. Metrical task systems, the server problem and the work function algorithm. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442 of *LNCS*, pages 74–96. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[224] Marek Chrobak and John Noga. Bibliography on competitive algorithms. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442 of *LNCS*, pages 395–436. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[225] Jacek Chrząszcz. Polymorphic subtyping without distributivity. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 346–355. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[226] Richie Chih-Nan Chuang, Ashim Garg, Xin He, Ming-Yang Kao, and Hsueh-I Lu. Compact encodings of planar graphs via canonical orderings and multiple parentheses. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 118–129. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[227] Fabián A. Chudak. Improved approximation algorithms for uncapacitated facility location. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 180–194. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[228] Fan Chung Graham. Combinatorial problems arising in massive data sets. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 2–2. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[229] G. Ciaccio and V. di Martino. Porting a molecular dynamics application on a low-cost cluster of personal computers running gamma. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on*

Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998), volume 1388 of *LNCS*, pages 524–533. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[230] Giuseppe Ciaccio. Optimal communication performance on fast ethernet with gamma. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 534–548. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[231] Serafino Cicerone and Gabriele di Stefano. Graphs with bounded induced distance. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 177–191. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[232] Serafino Cicerone, Gabriele di Stefano, and Michele Flammini. Static and dynamic low-congested interval routing schemes. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 592–603. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[233] Andrew J. Cleary, Robert D. Falgout, Henson van Emden, and Jim E. Jones. Coarse-grid selection for parallel algebraic multigrid. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11,*

1998), volume 1457 of *LNCS*, pages 104–115. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[234] Maurice Clint and Wolfgang Küchlin. Workshop 7+20 — numerical and symbolic algorithms. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 747–750. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[235] Aviad Cohen, Yuri Rabinovich, Assaf Schuster, and Hadas Shachnai. Optimal bounds on tail probabilities — a simplified approach. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 341–350. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[236] Edith Cohen, Balachander Krishnamurthy, and Jennifer Rexford. Evaluating server-assisted cache replacement in the web. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 307–319. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[237] Henri Cohen, Francisco Diaz y Diaz, and Michel Olivier. Computation of relative quadratic class groups. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 433–440. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[238] Henri Cohen, Francisco Diaz y Diaz, and Michel Olivier. Imprimitive octic fields with small discriminants. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 372–380. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[239] Henri Cohen, Francisco Diaz y Diaz, and Michel Olivier. A table of totally complex number fields of small discriminats. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 381–391. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[240] Richard Cole, Alan Frieze, Bruce M. Maggs, Michael Mitzenmacher, Andréa W. Richa, Ramesh Sitaraman, and Eli Upfal. On balls and bins with deletions. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 145–158. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[241] Jean-François Collard. Workshop 04 — automatic parallelisation and high-performance compilers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 411–412. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[242] Martin Charles Columbic and Haim Kaplan. Cell flipping in permutation diagrams. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 577–586. Springer-Verlag,

Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[243] Michele Conforti and Ajai Kapoor. A theorem of truemper. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 53–68. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[244] Doug Cook, Vance Faber, Madhav Marathe, Aravind Srinivasan, and Yoram J. Sussmann. Low-bandwidth routing and electrical power networks. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 604–615. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[245] Don Coppersmith and Gregory B. Sorkin. Constructive bounds and exact expectations for the random assignment problem. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM'98 (Barcelona, Spain, October 8-10, 1998)*, volume 1518 of *LNCS*, pages 319–330. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[246] Derek G. Corneil, Feodor F. Dragan, Michel Habib, and Christophe Paul. Diameter determination on restricted graph families. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 192–202. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[247] Gérard Cornuéjols and Milind Dawande. A class of hard small 0-1 programs. In Robert E. Bixby, E. Andrew Boyd, and

Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 284–293. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[248] Gérard Cornuéjols, Bertrand Guenin, and François Margot. The packing property. In Robert E. Bixby, E. Andrew Boyd, and Roger Z. Ríos-Mercado, editors, *Proceedings of the 6th International Conference on Integer Programming and Combinatorial Optimization, IPCO'98 (Houston, Texas, June 22-24, 1998)*, volume 1412 of *LNCS*, pages 1–8. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[249] B. Courcelle, J.A. Makowsky, and U. Rotics. Linear time solvable optimization problems on graphs of bounded clique width. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 1–16. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[250] Bruno Courcelle and Denis Lapoire. Facial circuits of planar graphs and context-free languages. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 616–624. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[251] A. Crauser, K. Mehlhorn, U. Meyer, and P. Sanders. A parallelization of dijkstra's shortest path algorithm. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 722–731. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[252] P. Crescenzi and P. Penna. Minimum-area $h - v$ drawings of complete binary trees. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 371–382. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[253] M. Crochemore, F. Mignosi, and A. Restivo. Minimal forbidden words and factor automata. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450 of *LNCS*, pages 665–673. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[254] D. Crookes, P.J. Morrow, T.J. Brown, G. McAleese, D. Roantree, and I.T.A. Spence. Achieving portability and efficiency through automatic optimisation: An investigation in parallel image processing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 102–112. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[255] Isabel F. Cruz and Donald I. Lambe. Implementation of an efficient constraint solver for the layout of graphs in delaunay. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 436–437. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[256] János Csirik and Gerhard J. Woeginger. On-line packing and covering problems. In Amos Fiat and Gerhard J. Woeginger, editors, *Online Algorithms — The State of the Art*, volume 1442

of *LNCS*, pages 147–177. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[257] Felipe Cucker and Steve Smale. Complexity estimates depending on condition and round-off error. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 115–126. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[258] Karl Czajkowski, Ian Foster, Nick Karonis, Carl Kesselman, Stuart Martin, Warren Smith, and Steven Tuecke. A resource management architecture for metacomputing systems. In Dror G. Feitelson and Larry Rudolph, editors, *Proceedings of the 1998 IPPS/SPDP Workshop on Job Scheduling Strategies for Parallel Processing (Orlando, Florida, March 30, 1998)*, volume 1459 of *LNCS*, pages 62–82. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[259] Artur Czumaj and Andrzej Lingas. A polynomial time approximation scheme for euclidean minimum cost k-connectivity. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 682–694. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[260] Jurek Czyzowicz, Evangelos Kranakis, Danny Krizanc, and Jorge Urrutia. Discrete realizations of contact and intersection graphs. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 359–370. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[261] Elias Dahlhaus. A linear time algorithm to recognize clustered planar graphs and its parallelization. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 239–248. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[262] Elias Dahlhaus. Minimal elimination of planar graphs. In Stefan Arnborg and Lars Ivansson, editors, *Proceedings of the 6th Scandinavian Workshop on Algorithm Theory, SWAT'98 (Stockholm, Sweden, July 8-10, 1998)*, volume 1432 of *LNCS*, pages 210–221. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[263] Elias Dahlhaus. Minimum fill-in and treewidth for graphs modularly decomposable into chordal graphs. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 351–358. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[264] Donglai Dai and Dhabaleswar K. Panda. How can we design better networks for dsm systems? In Sudhakar Yalamanchili and José Duato, editors, *Proceedings of the 2nd International Workshop on Parallel Computer Routing and Communication, PCRCW'97 (Atlanta, Georgia, June 26-27, 1997)*, volume 1417 of *LNCS*, pages 171–184. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[265] Yang Dai and Naoki Katoh. On computing new classes of optimal triangulations with angular constraints. In Wen-Lian Hsu and Ming-Yang Kao, editors, *Proceedings of the 4th Annual International Conference on Computing and Combinatorics, COCOON'98 (Taipei, Taiwan, R.o.C., August 12-14, 1998)*, volume 1449 of *LNCS*, pages 15–24. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[266] Peter Damaschke. A chip search problem on binary numbers. In Cláudio L. Lucchesi and Arnaldo V. Moura, editors, *Proceedings of the 3rd Latin American Symposium on Theoretical Informatics, LATIN'98 (Campinas, Brazil, April 20-24, 1998)*, volume 1380 of *LNCS*, pages 11–22. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[267] Peter Damaschke. Minus domination in small-degree graphs. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 17–25. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[268] Ivan Damgård and Birgit Pfitzmann. Sequential iteration of interactive arguments and an efficient zero-knowledge argument for *np*. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 772–783. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[269] Michele D'amico, Giovanni Manzini, and Luciano Margara. On computing the entropy of cellular automata. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 470–481. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[270] Carsten Damm. On boolean vs. modular arithmetic for circuits and communication protocols. In Luboš Brim, Jozef Gruska, and Jiří Zlatuška, editors, *Proceedings of the 23rd International Symposium on Mathematical Foundations of Computer Science, MFCS'98 (Brno, Czech Republic, August 24-28, 1998)*, volume 1450

of *LNCS*, pages 780–788. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[271] M.A.R. Dantas. Evaluation of process migration for parallel heterogeneous workstation clusters. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 397–400. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[272] Olivier Danvy. A simple solution to type specialization. In Kim G. Larsen, Sven Skyum, and Glynn Winskel, editors, *Proceedings of the 25th International Colloquium on Automata, Languages and Programming, ICALP'98 (Aalborg, Denmark, July 13-17, 1998)*, volume 1443 of *LNCS*, pages 908–917. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[273] Dibyendu Das. Using alternative schedules for fault tolerance in parallel programs on a network of workstations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 401–404. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[274] Glorianna Davenport. Very distributed media stories: Presence, time, imagination. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 47–54. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[275] Don Davis, Michael Barr, Toby Bennett, Stephen Edwards, Jonathan Harris, Ian Miller, and Chris Schanck. A java development and run-time environment for reconfigurable computing. In José Rolim, edi-

tor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 43–48. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[276] John Davy and Wissal Essah. Generating parallel applications of spatial interaction models. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 136–145. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[277] T. Delaitre, M.J. Zemerly, P. Vekariya, G.R. Justo, J. Bourgeois, F. Schinkmann, F. Spies, S. Randoux, and S.C. Winter. Edpepps: A toolset for the design and performance evaluation of parallel applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 113–125. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[278] Erik D. Demaine and Martin L. Demaine. Planar drawings of origami polyhedra. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 438–440. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[279] E.W. Dempster, N.T. Tomov, J. Lü, C.S. Pua, M.H. Williams, A. Burger, H. Taylor, and P. Broughton. Verifying a performance estimator for parallel dbmss. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4,*

1998), volume 1470 of *LNCS*, pages 126–135. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[280] S. Demri and Ph. Schnoebelen. The complexity of propositional linear temporal logics in simple cases. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 61–72. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[281] Edmund Dengler and William Cowan. Human perception of laid-out graphs. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 441–443. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[282] J.-M. Deshouillers, H.J.J. te Riele, and Y. Saouter. New experimental results concerning the goldbach conjecture. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 204–215. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[283] Jean-Marc Deshouillers, François Hennecart, and Bernard Landreau. Do sums of 4 biquadrates have a positive density? In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 196–203. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[284] Anders Dessmark, Carsten Dorgerloh, Andrzej Lingas, and Jürgen Wirtgen. Ultrafast randomized parallel construction and approximation algorithms for spanning forests in dense graphs. In José Rolim,

editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 392–399. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[285] Anders Dessmark, Andrzej Lingas, Hans Olsson, and Hiroaki Yamamoto. Optimal broadcasting in almost trees and partial k-trees. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 432–443. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[286] Mohamadou Diallo, Afonso Ferreira, and Andrew Rau-Chaplin. Communication-efficient deterministic parallel algorithms for planar point location and 2d voronoi diagram. In Michel Morvan, Christoph Meinel, and Daniel Krob, editors, *Proceedings of the 15th Annual Symposium on Theoretical Aspects of Computer Science, STACS'98 (Paris, France, February 25-27, 1998)*, volume 1373 of *LNCS*, pages 399–409. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[287] J. Diaz, J. Petit, P. Psycharis, and M. Serna. A parallel algorithm for sampling matchings from an almost uniform distribution. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 457–466. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[288] Josep Díaz, Jordi Petit, and Maria Serna. Random geometric problems on $[0,1]^2$. In Michael Luby, José Rolim, and Maria Serna, editors, *Proceedings of the 2nd International Workshop on Randomization and Approximation Techniques in Computer Science,*

RANDOM'98 (Barcelona, Spain, October 8-10, 1998), volume 1518 of *LNCS*, pages 294–306. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[289] Phillip M. Dickens and Rajeev Thakur. A performance study of two-phase i/o. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 959–965. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[290] Walter Didimo and Antonio Leonforte. Grid: An interactive tool for computing orthogonal drawings with the minimum numer of bends. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 309–315. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[291] Walter Didimo and Giuseppe Liotta. Computing orthogonal drawings in a variable embedding setting. In Kyung-Yong Chwa and Oscar H. Ibarra, editors, *Proceedings of the 9th International Symposium on Algorithms and Computation, ISAAC'98 (Taejon, Korea, December 14-16, 1998)*, volume 1533 of *LNCS*, pages 79–88. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[292] Ralf Diekmann, Andreas Frommer, and Burkhard Monien. Nearest neighbor load balancing on graphs. In Gianfranco Bilardi, Giuseppe F. Italiano, Andrea Pietracaprina, and Geppino Pucci, editors, *Proceedings of the 6th Annual European Symposium on Algorithms, ESA'98 (Venice, Italy, August 24-26, 1998)*, volume 1461 of *LNCS*, pages 429–440. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[293] Ralf Diekmann, Robert Preis, Frank Schlimbach, and Chris Walshaw. Aspect ratio for mesh partitioning. In David Pritchard and Jeff Reeve,

editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 347–351. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[294] Ralf Diekmann, Frank Schlimbach, and Chris Walshaw. Quality balancing for parallel adaptive fem. In A. Ferreira, J. Rolim, H. Simon, and S.-H. Teng, editors, *Proceedings of the 5th International Symposium on Solving Irregularly Structured Problems in Parallel, IRREGULAR'98 (Berkeley, California, August 9-11, 1998)*, volume 1457 of *LNCS*, pages 170–181. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[295] Oliver Diessel and Hossam ElGindy. Partial rearrangements of space-shared fpgas. In José Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 12th International Parallel Processing Symposium and 9th Symposium on Parallel and Distributed Processing (Orlando, Florida, March 30 - April 3, 1998)*, volume 1388 of *LNCS*, pages 913–918. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[296] Michael B. Dillencourt, David Eppstein, and Daniel S. Hirschberg. Geometric thickness of complete graphs. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 102–110. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[297] Z. Djabri and N.P. Smart. A comparison of direct and indirect methods for computing selmer groups of an elliptic curve. In J.P. Buhler, editor, *Proceedings of the 3rd International Symposium on Algorithmmic Number Theory, ANTS'98 (Portland, Oregon, June 21-25, 1998)*, volume 1423 of *LNCS*, pages 502–513. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[298] David P. Dobkin, Emden R. Gansner, Eleftherios Koutsofios, and Stephen C. North. Implementing a general-purpose edge router. In Giuseppe DiBattista, editor, *Proceedings of the 5th International Symposium on Graph Drawing, GD'97 (Rome, Italy, September 18-20, 1997)*, volume 1353 of *LNCS*, pages 262–271. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Santa Clara-Singapore-Tokyo, 1998.

[299] Stefan Dobrev and Peter Ružička. Broadcasting on anonymous unoriented tori. In Juraj Hromkovič and Ondrej Sýkora, editors, *Proceedings of the 24th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'98 (Smolenice Castle, Slovak Republic, June 18-20, 1998)*, volume 1517 of *LNCS*, pages 50–62. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

[300] Uğur Doğrusöz, Konstantinos G. Kakoulis, Brendan Madden, and Ioannis G. Tollis. Edge labeling in the graph layout toolkit. In Sue H. Whitesides, editor, *Proceedings of the 6th International Symposium on Graph Drawing, GD'98 (Montréal, Canada, August 13-15, 1998)*, volume 1547 of *LNCS*, pages 356–363. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.