

References

- [1] John Abbott. Some ideas about fault-tolerant chinese remaindering. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 155–163. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [2] Karl Abrahamson, Andrew Adler, Lisa Higham, and David Kirkpatrick. Probabilistic leader election on rings of known size. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 481–495. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [3] L. Aceto and M. Hennessy. Adding action refinement to a finite process algebra. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 506–519. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [4] Luca Aceto and Uffe Engberg. Failures semantics for a simple process language with refinement. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 89–108. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [5] Pankaj K. Agarwal, Jiří Matoušek, and Subhash Suri. Farthest neighbors, maximum spanning trees and related problems in higher dimensions. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 105–116. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [6] Pankaj K. Agarwal and Micha Sharir. Applications of a new space partitioning technique. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 379–391. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [7] Manindra Agrawal. Np-hard sets and creativeness over constant time languages. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 224–241. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [8] Oscar R. Aguilar, Ajoy Kumar Datta, and Sukumar Ghosh. Sharing memory in asynchronous message passing systems. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 129–140. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [9] Tae Nam Ahn, Kohichi Sakaniwa, and T.R.N. Rao. A construction method for m -ary unidirectional error control codes — application for m -ary berger check to asymmetric error control codes. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 71–85. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [10] Selim G. Akl. Memory access in models of parallel computation: From folklore to synergy and beyond. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 92–104. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [11] Luc Albert, Rafael Casas, François Fages, Antonio Torrecillas, and Paul Zimmermann. Average case analysis of unification algorithms. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 196–213. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [12] Fabio Alessi and Franco Barbanera. Strong conjunction and intersection types. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 64–73. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [13] Eric Allender and Vivek Gore. On strong separations from ac^0 . In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [14] Luis M. Alonso and Ricardo Peña. Acceptance automata: A framework for specifying and verifying tcsp parallel systems. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 75–91. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [15] Maria Emilia Alonso, Teo Mora, and Mario Raimondo. Local decomposition algorithms. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 208–221. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [16] M.E. Alonso, T. Mora, and M. Raimondo. On the complexity of algebraic power series. In Shojiro Sakata, editor, *Proceedings of*

- the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 197–207. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [17] R. Alur, C. Courcoubetis, and D. Dill. Model-checking for probabilistic real-time systems. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 115–126. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [18] Carme Álvarez, José L. Balcázar, Joaquim Gabarró, and Miklós Sántha. Parallel complexity in the design and analysis of concurrent systems. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 288–303. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [19] Carme Álvarez, José L. Balcázar, and Birgit Jenner. Functional oracle queries as a measure of parallel time. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 422–433. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [20] Arne Andersson and Tony W. Lai. Comparison-efficient and write-optimal searching and sorting. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 273–282. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [21] Charles André. Delays in synchronized elementary net systems. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris,*

- France, June 1990*), volume 524 of *LNCS*, pages 1–28. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [22] M. Annaratone, G. zur Bonsen, M. Fillo, M. Halbherr, R. Rühl, P. Steiner, and M. Viredaz. Architecture, implementation and system software of k2. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 473–484. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [23] Claudio Arbib. Two polynomial problems in pla folding. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 119–129. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [24] Esther M. Arkin, Samir Khuller, and Joseph S.B. Mitchell. Geometric knapsack problems. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 165–176. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [25] Boris Aronov and Micha Sharir. On the zone of a surface in a hyperplane arrangement. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 13–19. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [26] Takao Asano. Dynamic programming on intervals. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 199–207. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [27] Tetsuo Asano and Takeshi Tokuyama. Circuit partitioning algorithms: Graph model versus geometry model. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 94–103. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [28] Egidio Astesiano and Maura Cerioli. Partial higher-order specifications. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 74–83. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [29] Franz Aurenhammer and Johann Hagauer. Recognizing binary hamming graphs in $o(n^2 \log n)$ time. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 90–98. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [30] C. Autant, Z. Belmesk, and Ph. Schnoebelen. Strong bisimilarity on nets revisited. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 295–312. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [31] L. Bacchelli Montefusco and C. Guerrini. A domain decomposition method for scattered data approximation on a distributed memory multiprocessor. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 274–282. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [32] Christel Baier and Mila E. Majster-Cederbaum. The consistency of a nointerleaving and an interleaving model for full tcsp. In L. Budach,

- editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 105–120. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [33] Philippe Balbiani. A modal semantics for the negation as failure and the closed world assumption rules. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 523–534. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [34] Bernd Bank, Teresa Krick, Reinhard Mandel, and Pablo Solernó. A geometrical bound for integer programming with polynomial constraints. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 121–125. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [35] Judit Bar-Ilan and David Peleg. Approximation algorithms for selecting network centers. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 343–354. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [36] E. Barcucci, R. Pinzani, E. Rodella, and R. Sprugnoli. A characterization of binary search networks. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 126–135. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [37] A. Bauch, R. Braam, and E. Maehle. Damp - a dynamic reconfigurable multiprocessor system with a distributed switching network. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 495–504. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [38] Françoise Baude and Guy Vidal-Naquet. Actors as a parallel programming model. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 184–195. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [39] Birgit Baum-Waidner, Birgit Pfitzmann, and Michael Waidner. Unconditional byzantine agreement with good majority. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 285–295. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [40] M. Baumslag, M.C. Heydemann, J. Opatrny, and D. Sotteau. Embeddings of shuffle-like graphs in hypercubes. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 179–190. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [41] Anthony Beaumont, S. Muthu Raman, Péter Szeredi, and David H.D. Warren. Flexible scheduling of or-parallelism in Aurora: The Bristol scheduler. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 403–420. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [42] D. Beauquier, M. Nivat, and D. Niwiński. About the effect of the number of successful paths in an infinite tree on the recognizability by a finite automaton with büchi conditions. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 136–145. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [43] Joffroy Beauquier, Annie Choquet, Antoine Petit, and Guy Vidal-Naquet. Detection of deadlocks in an infinite family of nets. In C. Chofrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 334–347. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [44] Thomas Becker. Homogeneity, pseudo-homogeneity, and gröbner basis computations. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'91 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 65–73. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [45] T. Bemmerl and A. Bode. An integrated environment for programming distributed memory multiprocessors. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 130–142. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [46] T. Bemmerl, U. Graf, and R. Knödseder. Experiences in parallelizing an existing cfd algorithm. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 254–263. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [47] Y. Ben-Asher, D. Peleg, R. Ramaswami, and A. Schuster. The power of reconfiguration. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 139–150. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [48] L. Beneteau. The symplectic trilinear mappings; an algorithmic approach of the classification; case of the field $gf(3)$. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied*

- Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 267–279. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [49] A. Benkouar, Y.G. Manoussakis, V.Th. Paschos, and R. Saad. On the complexity of some hamiltonian and eulerian problems in edge-colored complete graphs. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 190–198. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [50] Rudolf Berghammer and Gunther Schmidt. The relview system. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 535–536. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [51] M. Bern, D. Eppstein, and F. Yao. The expected extremes in a delaunay triangulation. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 674–685. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [52] Eike Best, Ludmila Cherkasova, and Jörg Desel. Compositional generation of home states in free choice systems. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 398–409. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [53] T. Beth and F. Schaefer. Arithmetic on non supersingular elliptic curves. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC-9 (New Orleans, LA,*

- October 7-11, 1991), volume 539 of *LNCS*, pages 74–81. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [54] B. Bhattacharya and G. Toussaint. Computing shortest transversals. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 649–660. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [55] Binay K. Bhattacharya, Asish Mukhopadhyay, and Godfried T. Toussaint. A linear time algorithm for computing the shortest line segment from which a polygon is weakly externally visible. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 412–424. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [56] Binay K. Bhattacharya. Usefulness of angle-sweep over line-sweep. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 390–419. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [57] D. Bini, L. Gemignani, and V. Pan. Improved parallel computations with matrices and polynomials. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 520–531. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [58] Ofer Biran, Shlomo Moran, and Shmuel Zaks. Deciding 1-solvability of distributed task is np -hard. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume

484 of *LNCS*, pages 206–220. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [59] E.V. Biryalcev, A.M. Gusenkov, Ildar R. Nasyrov, and A.A. Saveliev. Geometry models design system γ pom. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 537–538. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [60] Andreas Blass and Yuri Gurevich. Randomizing reductions of search problems. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 10–24. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [61] Manuel Blum. Program checking. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 1–9. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [62] Hans L. Bodlaender. On the complexity of some coloring games. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 30–40. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [63] H.L. Bodlaender and T. Kloks. Better algorithms for the pathwidth and treewidth of graphs. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 544–555. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [64] R. Bol and J.F. Groote. The meaning of negative premises in transition system specifications. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 481–494. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [65] Staffan Bonnier. Unification in incompletely specified theories. a case study. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 84–92. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [66] E. Boros, P.L. Hammer, T. Ibaraki, and K. Kawakami. Identifying 2-monotonic positive boolean functions in polynomial time. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 104–115. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [67] L. Borrman and P. Istavrinos. Store coherency in a parallel distributed-memory machine. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 32–41. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [68] A. Bouajjani, J.C. Fernández, S. Graf, C. Rodríguez, and J. Sifakis. Safety for branching time semantics. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 76–92. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [69] G. Boudol, I. Castellani, M. Hennesy, and A. Kiehn. Observing localities. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science,*

- MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 93–102. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [70] Luc Bougé. On the semantics of languages for massively parallel simd architectures. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 166–183. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [71] J.C. Bradfield. Proving temporal properties of petri nets. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 29–47. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [72] Gilles Brassard, Claude Crépeau, Sophie Laplante, and Christian Léger. Computationally convincing proofs of knowledge. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 251–262. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [73] V. Breazu-Tannen and R. Subrahmanyam. Logical and computational aspects of programming with sets/bags/lists. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 60–75. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [74] Luca Breveglieri, Claudio Citrini, and Stefano Crespi Reghizzi. Deterministic dequeue automata and $ll(1)$ parsing of breadth-depth grammars. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 146–156. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [75] J. Briat, M. Favre, C. Geyer, and J. Chassin de Kergommeaux. Scheduling of or-parallel Prolog on a scalable, reconfigurable, distributed-memory multiprocessor. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 385–402. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [76] U. Bruening, W.K. Giloi, and W. Schröder-Preikschat. The architecture of the european mimd supercomputer genesis. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 450–462. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [77] Danilo Bruschi and Giovanni Pighizzini. The complexity of computing maximal word functions. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 157–167. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [78] V. Bruyere and C. De Felice. Degree and decomposability of variable-length codes. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 575–587. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [79] A. Bucciarelli and T. Ehrhard. Extensional embedding of a strongly stable model of pcf. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 35–46. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [80] Johannes Buchmann. Number theoretic algorithms and cryptology. In L. Budach, editor, *Proceedings of the 8th International Conference on*

- Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 16–21. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [81] Harry Buhrman, Edith Spaan, and Leen Torenvliet. Bounded reductions. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 410–421. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [82] Gerhard Buntrock, Carsten Damm, Ulrich Hertrampf, and Christoph Meinel. Structure and importance of logspace-mod-classes. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 360–371. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [83] Gerhard Buntrock, Birgit Jenner, Klaus-Jörn Lange, and Peter Rossmanith. Unambiguity and fewness for logarithmic space. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 168–179. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [84] Jonathan F. Buss and Judy Goldsmith. Nondeterminism within p . In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 348–359. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [85] Greg Butler. Implementing some algorithms of kantor. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 82–93. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [86] Jin-yi Cai. Computations over infinite groups. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 22–32. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [87] J.F. Canny. Computing roadmaps of general semi-algebraic sets. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 94–107. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [88] J.F. Canny. An improved sign determination algorithm. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 108–117. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [89] Svante Carlsson, Christer Mattsson, Patricio V. Poblete, and Mats Bengtsson. A new compacting garbage-collection algorithm with a good average-case performance. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 296–308. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [90] Svante Carlsson, Bengt J. Nilsson, and Simeon Ntafos. Optimum guard covers and m -watchmen routes for restricted polygons. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 367–378. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [91] Heino Carstensen. The complexity of testing the equivalence of transition sequences. In Grzegorz Rozenberg, editor, *Proceedings of the*

- 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 48–57. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [92] R. Casas, J. Díaz, and C. Martínez. Statistics on random trees. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 186–203. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [93] John Case, Sanjay Jain, and Arun Sharma. Complexity issues for vacillatory function identification. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 121–140. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [94] Didier Caucal and Roland Monfort. On the transition graphs of automata and grammars. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 311–337. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [95] Paola Cellini, Patrizia Gianni, and Carlo Traverso. Algorithms for the shape of semialgebraic sets — a new approach. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 1–18. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [96] Anton Černý. Generating words by cellular automata. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages

- 113–120. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [97] Ip-Wang Chan and Donald K. Friesen. Parallel algorithms for some dominance problems based on a crew pram. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 375–384. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [98] Kwong-fai Chan and Tak Wah Lam. An on-line algorithm for navigating in unknown terrain. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 127–136. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [99] M.Y. Chan, F.Y.L. Chin, and C.K. Poon. Optimal specified root embedding of full binary trees in faulty hypercubes. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 241–250. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [100] Marc Chardin. Differential resultants and subresultants. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 180–189. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [101] S. Chaumette and M.C. Counilh. A development environment for distributed systems. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 110–119. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [102] B. Chazelle. Computational geometry for the gourmet: Old fare and new dishes. In Javier Leach Albert and Mario Rodríguez Artalejo,

- editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 686–696. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [103] B. Chazelle, H. Edelsbrunner, M. Grigni, L. Guibas, J. Hershberger, M. Sharir, and J. Snoeyink. Ray shooting in polygons using geodesic triangulations. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 661–673. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [104] A. Cheese. Implementing committed-choice logic programming languages on distributed memory computers. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 361–370. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [105] Ghassan Chehaibar. Use of reentrant nets in modular analysis of colored nets. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 58–77. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [106] Hong Chen and Jieh Hsiang. Logic programming with recurrence domains. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 20–34. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [107] Bogdan S. Chlebus and Imrich Vrto. Unifying binary-search trees and permutations. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 190–199. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [108] Hyeong-Ah Choi and Abdol-Hossein Esfahanian. On complexity of a message-routing strategy for multicomputer systems. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 170–181. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [109] P. Chrétienne and F. Lamour. Mapping graphs onto a partially reconfigurable architecture. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 73–79. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [110] Habong Chung. The 2-nd generalized hamming weight of double-error correcting binary bch codes and their dual codes. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 118–129. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [111] P. Clauss. Mapping systolic algorithms on distributed memory computers. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 402–411. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [112] R. Cleaveland and B. Steffen. Computing behavioural relations, logically. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 127–138. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [113] Gérard D. Cohen. Covering radius and writing on memories. In Shojiro Sakata, editor, *Proceedings of the 8th International Confer-*

- ence on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990), volume 508 of LNCS, pages 1–10. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [114] H. Comon. Complete axiomatizations of some quotient term algebras. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of LNCS, pages 469–480. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [115] Anne Condon. The complexity of the max word problem. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of LNCS, pages 456–465. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [116] Pasqualina Conti and Carlo Traverso. Buchberger algorithm and integer programming. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of LNCS, pages 130–139. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [117] G. Cooperman, L. Finkelstein, and N. Sarawagi. Applications of cayley graphs. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of LNCS, pages 367–378. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [118] H. Corporaal. Distributed heapmanagement using reference weights. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of LNCS, pages 325–336. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [119] H. Corporaal and J.G.E. Olk. A scalable communication processor design supporting systolic communication. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 213–223. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [120] Gerardo Costa and Gianna Reggio. Abstract dynamic data types: A temporal logic approach. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 103–112. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [121] A. Couvert, R. Pedrono, and M. Raynal. Implementation and evaluation of distributed synchronization on a distributed memory parallel machine. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 304–314. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [122] F. Cucker and A. Torrecillas. Two p -complete problems in the theory of the reals. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 556–565. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [123] K. Culik II and S. Dube. Balancing order and chaos in image generation. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 600–614. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [124] Walter Cunto, J. Ian Munro, and Patricio V. Poblete. A case study in comparison based complexity: Finding the nearest value(s). In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the*

- 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [125] P.-L. Curien and R. Di Cosmo. A confluent reduction for the λ -calculus with surjective pairing and terminal object. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 291–302. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [126] J. Czyzowicz, E. Rivera-Campo, N. Santoro, J. Urrutia, and J. Zaks. Tight bounds for the rectangular art gallery problem. In G. Schmidt and R. Berghammer, editors, *Proceedings of the 17th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'91 (Fischbachau, Germany, June 17-19, 1991)*, volume 570 of *LNCS*, pages 105–112. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [127] Jurek Czyzowicz, Ivan Stojmenovic, and Jorge Urrutia. Immobilizing a polytope. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 214–227. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [128] Peter Damaschke. Induced subgraph isomorphism for cographs is *np*-complete. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 72–78. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [129] A. Das and K. Thulasiraman. Diagnosis of t/s-diagnosable systems. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages

193–205. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [130] Gautam Das and Giri Narasimhan. Geometric searching and link distance. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 261–272. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [131] Sajal K. Das, Calvin C.-Y. Chen, Gene Lewis, and Sushil Prasad. Some fast parallel algorithms for parentheses matching. In F. Dehne, F. Fiala, and W.W. Koczkodaj, editors, *Proceedings of the International Conference on Computing and Information. Advances in Computing and Information, ICCI'91 (Ottawa, Canada, May 1991)*, volume 497 of *LNCS*, pages 443–454. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [132] Sajal K. Das and Wen-Bing Horng. Managing a parallel heap efficiently. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 270–287. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [133] Jürgen Dassow and Klaus-Jörn Lange. Computational complexity and hardest languages of automata with abstract storages. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 200–209. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [134] Pierpaolo Degano and Roberto Gorrieri. Atomic refinement in process description languages. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 121–130. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [135] S.A. Delgado-Rannauro, M. Dorochevsky, K. Schuerman, A. Véron, and J. Xu. A shared environment parallel logic programming system on distributed memory architectures. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 371–380. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [136] Françoise Denis and Jean-Paul Delahaye. Unfolding, procedural and fixpoint semantics of logic programs. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 511–522. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [137] N. Dershowitz. Canonical sets of horn clauses. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 267–278. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [138] Jörg Desel. On abstraction of nets. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 78–92. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [139] Jörg Desel and Javier Esparza. Reachability in reversible free choice systems. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 384–397. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [140] Olivier Devillers, Stefan Meiser, and Monique Teillaud. Fully dynamic delaunay triangulation in logarithmic expected time per operation. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of*

- the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 42–53. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [141] Menouer Diab. New systolic architectures for cyclic code encoding. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 140–151. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [142] Menouer Diab. Systolic architectures for multiplication over finite field $gf(2^m)$. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 329–340. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [143] J. Díaz, A.M. Gibbons, M.S. Paterson, and J. Torán. The minsumcut problem. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 65–79. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [144] V. Diekert, E. Ochmanski, and K. Reinhardt. On confluent semi-commutations-decidability and complexity results. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 229–241. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [145] Volker Diekert. On the concatenation of infinite traces. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 105–117. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [146] Volker Diekert, Paul Gastin, and Antoine Petit. Recognizable complex trace languages. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 131–140. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [147] Paul F. Dietz. Finding level-ancestors in dynamic trees. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 32–40. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [148] Krzysztof Diks, Oscar Garrido, and Andrzej Lingas. Parallel algorithms for finding maximal k -dependent sets and maximal f -matchings. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 385–395. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [149] Cristian Dimitrovici, Udo Hummert, and Laure Petrucci. Semantics, composition and net properties of algebraic high-level nets. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 93–117. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [150] Michael J. Dinneen, Michael R. Fellows, and Vance Faber. Algebraic constructions of efficient broadcast networks. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 152–158. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [151] H.N. Djidjev, G.E. Pantziou, and C.D. Zaroliagis. Computing shortest paths and distances in planar graphs. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 327–338. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [152] Hristo Djidjev and Andrzej Lingas. On computing the voronoi diagram for restricted planar figures. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 54–64. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [153] Eric Domenjoud. Solving systems of linear diophantine equations: An algebraic approach. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 141–150. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [154] Gilles Dowek. A second-order pattern matching algorithm for the cube of typed λ -calculi. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 151–160. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [155] Ding-Zhu Du, Yuh-Dauh Lyuu, and D. Frank Hsu. Line digraph iterations and the spread concept - with application to graph theory, fault tolerance, and routing. In G. Schmidt and R. Berghammer, editors, *Proceedings of the 17th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'91 (Fischbachau, Germany, June 17-19, 1991)*, volume 570 of *LNCS*, pages 169–179. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991. see Comments in *IEEE Trans. Comput.* 45, 768.
- [156] J. Duato. On the design of deadlock-free adaptive routing algorithms for multicomputers: Design methodologies. In E.H.L. Aarts,

- J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 390–405. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [157] J. Duato. On the design of deadlock-free adaptive routing algorithms for multicomputers: Theoretical aspects. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 234–243. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [158] G. Duchamp and D. Krob. Lazard's factorizations of free partially commutative monoids. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 242–253. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [159] P. Āuriš and Z. Galil. On the power of multiple reads in a chip. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 697–706. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [160] Herbert Edelsbrunner. Optimal triangulations by retriangulating. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 150–150. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [161] Lavinia Egidi, Furio Honsell, and Simona Ronchi della Roca. The lazy call-by-value λ -calculus. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13,*

- 1991), volume 520 of *LNCS*, pages 161–169. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [162] David Eppstein. Offline algorithms for dynamic minimum spanning tree problems. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 392–399. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [163] C. Ernoul and A. Mycroft. Uniform ideals and strictness analysis. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 47–59. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [164] Javier Esparza and Manuel Silva. Top-down synthesis of live and bounded free choice nets. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 118–139. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [165] Vladimir Estivill-Castro and Murray Sherk. Competitiveness and response time in on-line algorithms. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 284–293. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [166] E. Fachini, A. Monti, M. Napoli, and D. Parente. Systolic y-tree automata: Closure properties and decision problems. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 210–219. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [167] Michael Factor. A formal specification of the process trellis. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd*

- International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 277–294. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [168] J. Fanchon and D. Millot. Models for dynamically placed concurrent processes. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 92–109. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [169] Pavel Ferianc and Ondrej Sýkora. Area complexity of multilective merging. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 209–218. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [170] A. Fernández, J.M. Llabería, J.J. Navarro, and M. Valero-García. Interleaving partitions of systolic algorithms for programming distributed memory multiprocessors. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 90–99. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [171] T. Fernando. Provably recursive programs and program extraction. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 303–313. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [172] Jean Marie Filloque, Eric Gautrin, and Bernard Pottier. Efficient global computations on a processor network with programmable logic.

- In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 69–82. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [173] Paul Fischer and Hans Ulrich Simon. Separation problems and circular arc systems. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 251–259. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [174] L. Fix, N. Francez, and O. Grumberg. Program composition and modular verification. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 93–114. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [175] Rudolf Fleischer. A tight lower bound for the worst case of bottom-up-heapsort. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 251–262. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [176] Michael Formann and Frank Wagner. The vlsi layout problem in various embedding models. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 130–139. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [177] Lance Fortnow and Carsten Lund. Interactive proof systems and alternating time-space complexity. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16,*

- 1991), volume 480 of *LNCS*, pages 263–274. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [178] J.-D. Fouks. General resolution of tseitin formulas is hard. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 151–162. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [179] P. Fraigniaud. Fault-tolerant gossiping on hypercube multicomputers. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 463–472. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [180] Greg N. Frederickson. Parametric search and locating supply centers in trees. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 299–319. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [181] Christiane Frougny and Jacques Sakarovitch. Rational relations with bounded delay. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 50–63. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [182] Satoshi Fujita, Masafumi Yamashita, and Tadashi Ae. Distributed k -mutual exclusion problem and k -coterie. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 22–31. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [183] Satoshi Fujita, Masafumi Yamashita, and Tadashi Ae. Search level parallel processing of production systems. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference*

on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991), volume 506 of *LNCS*, pages 471–488. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [184] M. Fürer and B. Raghavachari. An efficient nc algorithm for finding hamiltonian cycles in dense directed graphs. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 429–440. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [185] Martin Fürer and Balaji Raghavachari. Contracting planar graphs efficiently in parallel. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 319–335. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [186] M. Gabbrielli and G. Levi. On the semantics of logic programs. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 1–19. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [187] Z. Galil and G.F. Italiano. Maintaining biconnected components of dynamic planar graphs. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 339–350. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [188] Z. Galil and O. Margalit. An almost linear-time algorithm for the dense subset-sum problem. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain,*

July 8-12, 1991), volume 510 of *LNCS*, pages 719–727. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [189] Giovanni Gallo, Bhubaneswar Mishra, and François Ollivier. Some constructions in rings of differential polynomials. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 171–182. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [190] Guang R. Gao, Herbert H.J. Hum, and Jean-Marc Monti. Towards an efficient hybrid dataflow architecture model. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 355–371. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [191] P. Gastin, A. Petit, and W. Zielonka. A kleene theorem for infinite trace languages. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 254–266. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [192] Paul Gastin. Recognizable and rational languages of finite and infinite traces. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 89–104. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [193] Jean-Luc Gaudiot and Chih-Ming Lin. Chaotic linear system solvers in a variable-grain data-driven multiprocessor system. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe,*

Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991), volume 506 of *LNCS*, pages 331–348. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [194] M. Gerndt. Parallelization of multigrid programs in superb. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 62–72. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [195] V.S. Getov and C.R. Jesshope. Simulation facility of distributed memory system with “mad postman” communication network. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 224–233. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [196] Subir Kumar Ghosh, Anil Maheshwari, Sudebkumar Prasant Pal, Sanjeev Saluja, and C.E. Veni Madhavan. Computing the shortest path tree in a weak visibility polygon. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 369–389. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [197] J.-L. Giavitto, C. Germain, and J. Fowler. Oal: An implementation of an actor language on a massively parallel message-passing architecture. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 347–360. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [198] Rémi Gilleron. Decision problems for term rewriting systems and recognizable tree languages. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 148–159. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [199] W.K. Giloi, C. Hastedt, F. Schön, and W. Schröder-Preikschat. A distributed implementation of shared virtual memory with strong and weak coherence. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 23–31. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [200] Marc Giusti. Complexity of standard bases in projective dimension zero ii. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 322–328. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [201] Philippe Glesser and Maurice Mignotte. An inequality about irreducible factors of integer polynomials (ii). In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 260–266. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [202] Michael Godau. A natural metric for curves - computing the distance for polygonal chains and approximation algorithms. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 127–136. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [203] Judy Goldsmith, Lane A. Hemachandra, and Kenneth Kunen. On the structure and complexity of infinite sets with minimal perfect hash functions. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 212–223. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [204] D. Gomm, M. Heckner, K.-J. Lange, and G. Riedle. On the design of parallel programs for machines with distributed memory. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 381–391. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [205] Roberto Gorrieri and Cosimo Laneve. The limit of split_n-bisimulations for ccs agents. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 170–180. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [206] R. Govindarajan and Sheng Yu. Data flow implementation of generalized guarded commands. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 372–389. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [207] Erich Grädel. The expressive power of second order horn logic. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 466–477. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [208] Hans Dietmar Gröger. A new partition lemma for planar graphs and its application to circuit complexity. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 220–229. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [209] H.D. Gröger and G. Turán. On linear decision trees computing boolean functions. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata,*

- Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 707–718. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [210] Giovanna Guaiana, Antonio Restivo, and Sergio Salemi. On aperiodic trace languages. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 76–88. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [211] Leonidas J. Guibas. Combinatorics and algorithms of geometric arrangements. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 218–218. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [212] Leonidas J. Guibas, John E. Hershberger, Joseph S.B. Mitchell, and Jack Scott Snoeyink. Approximating polygons and subdivisions with minimum link paths. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 151–162. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [213] Leonidas J. Guibas, Joseph S.B. Mitchell, and Thomas Roos. Voronoi diagrams of moving points in the plane. In G. Schmidt and R. Berghammer, editors, *Proceedings of the 17th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'91 (Fischbachau, Germany, June 17-19, 1991)*, volume 570 of *LNCS*, pages 113–125. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [214] Y. Gurevich. Average case complexity. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 615–628. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [215] Michel Habib, Michel Morvan, and Jean-Xavier Rampon. Remarks on some concurrency measures. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 221–238. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [216] T. Hagerup. Fast parallel generation of random permutations. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 405–416. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [217] T. Hagerup, A. Schmitt, and H. Seidl. Fork: A high-level language for prams. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 304–320. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [218] C. Hammer and T. Henties. Using a weak coherency model for a parallel lisp. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 42–51. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [219] Yijie Han. A fast derandomization scheme and its applications. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 177–188. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [220] Chris Hankin. Static analysis of term graph rewriting systems. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and*

- Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 367–384. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [221] Georges Hansel, Daniel Krob, and Christian Michaux. Stochastic automata and length distributions of rational languages. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 181–190. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [222] Eric N. Hanson. The interval skip list: A data structure for finding all intervals that overlap a point. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 153–164. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [223] Seif Haridi and Catuscia Palamidessi. Structural operational semantics for Kernel Andorra Prolog. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 238–253. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [224] Joachim Hartmann. The random testability of the n -input and gate. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 488–498. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [225] Susumu Hasegawa, Hiroshi Imai, and Koji Hakata. An analysis of randomized shear sort on the mesh computer. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, vol-

ume 557 of *LNCS*, pages 219–228. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [226] K. Hashiguchi. Algorithms for determining the smallest number of nonterminals (states) sufficient for generating (accepting) a regular language. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 641–648. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [227] Paul J. Heffernan and Joseph S.B. Mitchell. An optimal algorithm for computing visibility in the plane. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 437–448. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [228] Stefan Heinrich. Efficiency of monte carlo algorithms in numerical analysis. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 33–44. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [229] Joos Heintz, Teresa Krick, Marie-Françoise Roy, and Pablo Solernó. Geometric problems solvable in single exponential time. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 11–23. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [230] Joos Heintz, Marie-Francoise Roy, and Pablo Solernó. Single exponential path finding in semialgebraic sets — part i: The case of a regular bounded hypersurface. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 180–196. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [231] L.A. Hemachandra and A. Hoene. Collapsing degrees via strong computation. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 393–404. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [232] B. Herrmann and L. Philippe. Multicomputers unix based on chorus. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich, Germany, April 1991)*, volume 487 of *LNCS*, pages 440–449. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [233] John Hershberger and Jack Snoeyink. Computing minimum length paths of a given homotopy class. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 331–342. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [234] Barney P. Hilken and David E. Rydeheard. Towards a categorical semantics of type classes. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 191–201. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [235] Jan-Ming Ho. A linear time optimal via assignment algorithm for three-dimensional channel routing. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 294–307. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [236] H. Hofestädt, A. Klein, and E. Reyzl. Performance benefits from locally adaptive interval routing in dynamically switched interconnection networks. In Arndt Bode, editor, *Proceedings of the 2nd European Conference on Distributed Memory Computing, EDMCC2 (Munich,*

- Germany, April 1991*), volume 487 of *LNCS*, pages 193–202. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [237] Berthold Hoffmann and Bernd Krieg-Brückner. The prospectra system. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 539–540. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [238] Frank Hoffmann and Michael Kaufmann. On the rectilinear art gallery problem - algorithmic aspects. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 239–250. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [239] Thomas Hofmeister, Walter Hohberg, and Susanne Köhling. Some notes on threshold circuits, and multiplication in depth 4. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 230–239. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [240] Lawrence P. Holmquist and L.L. Kinney. Concurrent error detection in sequential circuits using convolutional codes. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 183–194. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [241] J. Honkala and A. Salomaa. L morphisms: Bounded delay and regularity of ambiguity. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 566–574. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [242] Philippe Hoogvorst, Ronan Keryell, Philippe Matherat, and Nicolas Paris. Pomp or how to design a massively parallel machine with small developments. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 83–100. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [243] Jozef Hooman. A denotational real-time semantics for shared processors. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 184–201. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [244] R.P. Hopkins. Distributable nets. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 161–187. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [245] Rodney R. Howell, Petr Jančar, and Louis E. Rosier. Single-path petri nets. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 202–210. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [246] Juraj Hromkovič. Nonlinear lower bounds on the number of processors of circuits with sublinear separators. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 240–247. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [247] Juraj Hromkovič and Burkhard Monien. The bisection problem for graphs of degree 4 (configuring transputer systems). In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on*

- Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 211–220. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [248] Lih-Hsing Hsu, J.Y. Hwang, T.Y. Ho, and C.H. Tsai. A linear time algorithm to recognize the double euler trail for series-parallel networks. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 316–325. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [249] Tsan-sheng Hsu and Vijaya Ramachandran. On finding a smallest augmentation to biconnect a graph. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 326–335. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [250] Wen-Lian Hsu and Tze-Heng Ma. Substitution decomposition on chordal graphs and applications. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 52–60. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [251] T.H. Hu, C.Y. Tang, and R.C.T. Lee. An average case analysis of monien and speckenmeyer's mechanical theorem proving algorithm. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 116–126. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [252] Ulrich Huckenbeck and Detlev Ruland. A generalized best-first search method in graphs. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484

of *LNCS*, pages 41–60. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [253] Herbert H.J. Hum and Guang R. Gao. A novel high-speed memory organization for fine-grain multi-thread computing. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 34–51. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [254] Hardi Hungar. Correctness of programs over poor signatures. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 109–120. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [255] A.R. Hurson, B. Jín, and S.H. Pakzad. Neural network-based decision making for large incomplete databases. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 321–337. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [256] Zhiyi Hwang, Shouren Hu, Chengzheng Sun, and Yaoqing Gao. Reduction of code space in parallel logic programming systems. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 454–470. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [257] Oscar H. Ibarra, Tao Jiang, and Hui Wang. Some results concerning 2-d on-line tessellation acceptors and 2-d alternating finite automata. In

- A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 221–230. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [258] Oscar H. Ibarra and Nicholas Q. Trân. On space-bounded synchronized alternating turing machines. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 248–257. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [259] Edmund Ihler. Bounds on the quality of approximate solutions to the group steiner problem. In R.H. Möhring, editor, *Proceedings of the 16th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'90 (Berlin, Germany, June 20-22, 1990)*, volume 484 of *LNCS*, pages 109–118. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [260] Hermann Ilmberger and Sabine Thürmel. A toolkit for debugging parallel lisp programs. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 406–422. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [261] P. Inverardi and M. Nesi. Infinite normal forms for non-linear term rewriting systems. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 231–239. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [262] Giuseppe F. Italiano and Neil Sarnak. Fully persistent data structures for disjoint set union problems. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume

519 of *LNCS*, pages 449–460. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.

- [263] F. Itter and C. Relewicz. Computer supported design of kanban controlled production. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 188–204. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [264] Philippe Jacquet and Wojciech Szpankowski. What can we learn about suffix trees from independent tries? In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 228–239. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [265] Suresh Jagannathan. Customization of first-class tuple-spaces in a higher-order language. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 254–276. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [266] Ravi Janardan. On maintaining the width and diameter of a planar point-set online. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 137–149. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [267] Ryszard Janicki and Maciej Koutny. Invariants and paradigms of concurrency theory. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. II: Parallel Languages, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 506 of *LNCS*, pages 59–74. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [268] Ryszard Janicki and Maciej Koutny. Optimal simulations, nets and reachability graphs. In Grzegorz Rozenberg, editor, *Proceedings of the 11th International Conference on Applications and Theory of Petri Nets, ICATPN'90 (Paris, France, June 1990)*, volume 524 of *LNCS*, pages 205–226. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [269] H. Janwa. On the parameters of algebraic geometric codes. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 19–28. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [270] Thierry Jeron. Prototype of a verification tool. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 541–542. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [271] Thierry Jeron. Testing for unboundedness of fifo channels. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 322–333. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [272] Tao Jiang, Edward McDowell, and B. Ravikumar. The structure and complexity of minimal nfa's over a unary alphabet. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 152–171. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [273] Tao Jiang and B. Ravikumar. Minimal nfa problems are hard. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of

LNCS, pages 629–640. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [274] Thomas Johnsson. Parallel evaluation of functional programs: The $\langle \nu, g \rangle$ -machine approach. In E.H.L. Aarts, J. van Leeuwen, and M. Rem, editors, *Proceedings of the 3rd International Conference on Parallel Architectures and Languages Europe, Vol. I: Parallel Architectures and Algorithms, PARLE'91 (Eindhoven, The Netherlands, June 1991)*, volume 505 of *LNCS*, pages 1–5. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [275] Petteri Jokinen and Esko Ukkonen. Two algorithms for approximate string matching in static texts. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 240–248. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [276] J.-P. Jouannaud and M. Okada. Satisfiability of systems of ordinal notations with the subterm property is decidable. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 455–468. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [277] Jean-Pierre Jouannaud. Executable higher-order algebraic specifications. In C. Choffrut and M. Jantzen, editors, *Proceedings of the 8th Annual Symposium on Theoretical Aspects of Computer Science, STACS'91 (Hamburg, Germany, February 14-16, 1991)*, volume 480 of *LNCS*, pages 16–25. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [278] Antoine Joux and Jacques Stern. Improving the critical density of the lagarias-odlyzko attack against subset sum problems. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 258–264. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.

- [279] Stasys Jukna. Optimal versus stable in boolean formulae. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 265–274. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [280] H. Jung, M. Serna, and P. Spirakis. A parallel algorithm for two processors precedence constraint scheduling. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 417–428. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [281] Michael Kaib. The gauß lattice basis reduction algorithm succeeds with any norm. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 275–286. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [282] Michael Kalkbrener. Implicitization of rational parametric curves and surfaces. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 249–259. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [283] Erich Kaltofen and B. David Saunders. On wiedemann's method of solving sparse linear systems. In H.F. Mattson, T. Mora, and T.R.N. Rao, editors, *Proceedings of the 9th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC-9 (New Orleans, LA, October 7-11, 1991)*, volume 539 of *LNCS*, pages 29–38. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [284] J. Kaneps and R. Freivalds. Running time to recognize nonregular languages by 2-way probabilistic automata. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of

- LNCS*, pages 174–185. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [285] Jānis Kaņeps. Regularity of one-letter languages acceptable by 2-way finite probabilistic automata. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 287–296. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [286] S. Kannan and A. Yao. Program checkers for probability generation. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 163–173. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [287] Goos Kant and Hans L. Bodlaender. Planar graph augmentation problems. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 286–298. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [288] Sanjiv Kapoor and H. Ramesh. Algorithms for generating all spanning trees of undirected, directed and weighted graphs. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 461–472. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [289] Juhani Karhumäki, Wojciech Rytter, and Stefan Jarominek. Efficient constructions of test sets for regular and context-free languages. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 249–258. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.

- [290] Marek Karpinski. Approximation algorithms for counting problems in finite fields. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 45–46. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [291] Naoki Katoh and Kazuo Iwano. Efficient algorithms for the minimum range cut problems. In F. Dehne, J.-R. Sack, and N. Santoro, editors, *Proceedings of the 2nd Workshop on Algorithms and Data Structures, WADS'91 (Ottawa, Canada, August 14-16, 1991)*, volume 519 of *LNCS*, pages 80–91. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [292] Michael Kaufmann and Gerhard Klär. A faster algorithm for edge-disjoint paths in planar graphs. In W.L. Hsu and R.C.T. Lee, editors, *Proceedings of the 2nd International Symposium on Algorithms, ISA'91 (Taipei, Republic of China, December 16-18, 1991)*, volume 557 of *LNCS*, pages 336–348. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [293] Dimitris Kavadias, Lefteris M. Kirousis, and Paul Spirakis. The complexity of the reliable connectivity problem. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991)*, volume 520 of *LNCS*, pages 259–266. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [294] Zvi M. Kedem, Krishna V. Palem, Grammati E. Pantziou, Paul G. Spirakis, and Christos D. Zaroliagis. Fast parallel algorithms for coloring random graphs. In G. Schmidt and R. Berghammer, editors, *Proceedings of the 17th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'91 (Fischbachau, Germany, June 17-19, 1991)*, volume 570 of *LNCS*, pages 135–147. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [295] Delia Kesner. Pattern matching in order-sorted languages. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz*

- Dolny, Poland, September 9-13, 1991*), volume 520 of *LNCS*, pages 267–276. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.
- [296] S. Khuller, S.G. Mitchell, and V.V. Vazirani. On-line algorithms for weighted bipartite matching and stable marriages. In Javier Leach Albert and Mario Rodríguez Artalejo, editors, *Proceedings of the 18th International Colloquium on Automata, Languages and Programming, ICALP'91 (Madrid, Spain, July 8-12, 1991)*, volume 510 of *LNCS*, pages 728–738. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [297] Sam Kim and Robert McNaughton. Computing the order of a locally testable automaton. In S. Biswas and K.V. Nori, editors, *Proceedings of the 11th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'91 (New Delhi, India, December 17-19, 1991)*, volume 560 of *LNCS*, pages 186–211. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [298] Peter Knijnenburg and Joost N. Kok. On the semantics of atomized statements — the parallel-choice option. In L. Budach, editor, *Proceedings of the 8th International Conference on Fundamentals of Computation Theory (FCT '91) (Gosen, Germany, September 1991)*, volume 529 of *LNCS*, pages 297–306. Springer-Verlag, Berlin-Göttingen-Heidelberg-New York, 1991.
- [299] Ryuji Kohno, Choonsik Yim, and Hideki Imai. Trellis coded modulation based on time-varying mapping and encoders for utilizing a channel intersymbol interference. In Shojiro Sakata, editor, *Proceedings of the 8th International Conference on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC-8 (Tokyo, Japan, August 20-24, 1990)*, volume 508 of *LNCS*, pages 132–143. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1991.
- [300] Beata Konikowska. Two over three: A two-valued logic for software specification and validation over a three-valued predicate calculus. In A. Tarlecki, editor, *Proceedings of the 16th International Symposium on*

Mathematical Foundations of Computer Science, MFCS'91 (Kazimierz Dolny, Poland, September 9-13, 1991), volume 520 of *LNCS*, pages 277–286. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1991.