References

[1] S.K. Abdali and G. Cherry. Visual environments for symbolic computation. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 166–167. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[2] S. Agnarsson, M.S. Krishnamoorthy, and B.D. Saunders. An algebraic implementation of packages. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 291–302. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[3] V.S. Alagar and M. Thanh. Fast polynomial decomposition algorithms. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 150–153. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[4] M. Alberts. Space complexity of alternating turing machines. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 1–7. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[5] J.E. Åman, R.A. d'Inverno, G.C. Joly, and M.A.H. MacCallum. Progress on the equivalence problem. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 89–98. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[6] Klaus Ambos-Spies. On the relative complexity of subproblems of intractable problems. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182

of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[7] H. Andreka, I. Guessarian, and I. Németi. A unifying theorem for algebraic semantics and dynamic logics. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 8–17. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[8] M. Arcieri, A. Miola, and F. Panasiti. A package of tools for manipulation of sums and series. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 603–604. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[9] D. Armbruster. Bifurcation theory and computer algebra: An initial approach. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 126–137. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[10] D.S. Arnon. A cluster-based cylindrical algebraic decomposition algorithm. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 262–269. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[11] D.S. Arnon. On mechanical quantifier elimination for elementary algebra and geometry: Solution of a non-trivial problem. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 270–271. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[12] D.S. Arnon, G.E. Collins, and S. McCallum. An adjacency algorithm for cylindrical algebraic decompositions of three-dimensional space. In

Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 246–261. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[13] D.S. Arnon and S. McCallum. A polynomial time algorithm for the topological type of a real algebraic curve. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 275–276. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[14] K. Aspetsberger. Substitution expressions: Extracting solutions of non-horn clause proofs. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 78–86. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[15] László Babai. On lovász' lattice reduction and the nearest lattice point problem. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 13–20. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[16] J.L. Balcázar, J. Díaz, and J. Gabarró. On some "non-uniform" complexity measures. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 18–27. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[17] S. Bandyopadhyay and J.S. Devitt. The role of symbolic computation in the management of scientific information. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 460–461. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[18] F. Bauernöppel and H. Jung. Fast parallel vertex colouring. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 28–35. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[19] D. Beauquier. Muller automata and bi-infinite words. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 36–43. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[20] D. Beauquier and M. Nivat. About rational sets of factors of a bi-infinite word. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 33–42. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[21] J. Beauquier and L. Thimonier. On formal languages, probabilities, paging and decoding algorithms. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 44–52. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[22] B. Becker and H.G. Osthof. Layouts with wires of balanced length. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 21–31. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[23] M. Becker and G. Schellenberger. Goppa codes: Algorithmic problems. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 407–408. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[24] M. Ben-Or, O. Goldreich, S. Micali, and R.L. Rivest. A fair protocol for signing contracts. In W. Brauer, editor, *Proceedings of the*

12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985), volume 194 of *LNCS*, pages 43–52. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[25] F. Bergeron and C. Pichet. Darwin, a system designed for the study of enumerative combinatorics. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 444–445. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[26] G. Bilardi and F.P. Preparata. The influence of key length on the area-time complexity of sorting. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 53–62. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[27] D. Bini and V. Pan. Algorithms for polynomial division. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 1–3. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[28] Norbert Blum. On the single-operation worst-case time complexity of the disjoint set union problem. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 32–38. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[29] L. Boasson and A. Petit. Deterministic languages and non-generators. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 39–46. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[30] H.L. Bodlaender and J. van Leeuwen. Simulation of large networks on smaller networks. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 47–58. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[31] W. Böge, R. Gebauer, and H. Kredel. Gröbner bases using sac-2. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EURO-CAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 272–274. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[32] P. Boninfante and G.M. Veca. The algebraic manipulation systems on the electrical power systems. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 468–469. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[33] Gérard Boudol, Gérard Roucairol, and Robert de Simone. Petri nets and algebraic calculi of processes. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 59–70. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[34] L. Bougé. Repeated synchronous snapshots and their implementation in csp. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 63–70. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[35] A. Brandstädt and D. Kratsch. On the restriction of some *np*-complete graph problems to permutation graphs. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation*

6

Theory (Cottbus, GDR), volume 199 of *LNCS*, pages 53–62. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[36] W. Brauer and K.-J. Lange. Non-deterministic two-tape automata are more powerful than deterministic ones. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 71–79. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[37] B. Brüderlin. Using prolog for constructing geometric objects defined by constraints. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 448–459. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[38] B. Buchberger. The parallel l-machine for symbolic computation. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 541–542. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[39] W. Bucher, A. Ehrenfeucht, and D. Haussler. On total regulators generated by derivation relations. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 71–79. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[40] J. Buchmann. The generalized voronoi-algorithm in totally real algebraic number fields. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 479–486. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[41] M. Caciotta and F. Iannucci. Software toolkit for input stage measurement in symbolic computation. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 466–467. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[42] R. Caferra and P. Jorrand. Unification in parallel with refined linearity test: An example of recursive network structure in fp2, a functional parallel programming language. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 539–540. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[43] C.M. Campbell and E.F. Robertson. A cayley file of finite simple groups. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 243–244. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[44] G.J. Carrette and L.P. Harten. Doe-macsyma: Progress report. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 36–39. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[45] B. Chazelle and H. Edelsbrunner. Optimal solutions for a class of point retrieval problems. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 80–89. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[46] B. Chazelle and L.J. Guibas. Fractional cascading: A data structuring technique with geometric applications. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and*

Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985), volume 194 of *LNCS*, pages 90–100. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[47] A.L. Chistov. Fast parallel calculation of the rank of matrices over a field of arbitrary characteristic. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 63–69. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[48] B.S. Chlebus. Algorithms solving path systems. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 70–79. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[49] M. Chrobak. Hierarchies of one-way multihead automata languages. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 101–110. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[50] H. Coelho. Symbolic and algebraic computation may support secondary education. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 464–465. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[51] R. Cole. Partitioning point sets in 4 dimensions. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 111–119. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[52] G.E. Collins. The sac-2 computer algebra system. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria,*

April 1-3, 1985), volume 204 of *LNCS*, pages 34–35. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[53] M. Coppo. A completeness theorem for recursively defined types. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 120–129. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[54] P.-L. Curien. Categorical combinatory logic. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 130–139. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[55] P.-L. Curien. Syntactic equivalences inducing semantic equivalences. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 168–178. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[56] M. Dauchet and S. Tison. Decidability of confluence for ground term rewriting systems. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 80–89. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[57] J. Davenport and J. Padget. Heugcd: How elementary upperbounds generate cheaper data. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 18–28. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[58] J.W. de Bakker and J.N. Kok. Towards a uniform topological treatment of streams and functions on streams. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume

194 of *LNCS*, pages 140–148. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[59] J.W. de Bakker, J.-J.C. Meyer, and E.-R. Olderog. Infinite streams and finite observations in the semantics of uniform concurrency. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 149–157. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[60] P. de Bra. Imposed-functional dependencies inducing horizontal decompositions. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 158–170. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[61] Clelia de Felice. Construction of a family of factorizing codes. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 80–86. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[62] P. Degano, R. de Nicola, and U. Montanari. Partial ordering derivations for ccs. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 520–533. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[63] J. Della Dora, C. Dicrescenzo, and D. Duval. About a new method for computing in algebraic number fields. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 289–290. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[64] A.J.J. Dick. Eril - equational reasoning: an interactive laboratory. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EURO-*

CAL'85 (Linz, Austria, April 1-3, 1985), volume 204 of *LNCS*, pages 400–401. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[65] Volker Diekert. On hotz groups and homomorphic images of sentential form languages. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 87–97. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[66] J.M. Drouffe. Amp: A system for algebraic computations. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EURO-CAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 157–158. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[67] P.E. Dunne. Lower bounds on the complexity of 1-time only branching programs (preliminary version). In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 90–99. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[68] Peter Dybjer. Using domain algebras to prove the correctness of a compiler. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 98–108. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[69] ö. Egecioglu. Algorithms for the character theory of the symmetric group. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 206–224. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[70] A. Ehrenfeucht, H.J. Hoogeboom, and G. Rozenberg. On coordinated rewriting. In L. Budach, editor, *Proceedings of the International Con-*

ference on Fundamentals of Computation Theory (Cottbus, GDR), volume 199 of *LNCS*, pages 100–111. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[71] J. Engelfriet and H. Vogler. Characterization of high level tree transducers. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 171–178. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[72] H. Exner and F.D. Fischer. Cim (computer integrated manufacturing) - a challenge for symbolic computation. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 462–463. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[73] Ulrich Faigle and György Turán. Sorting and recognition problems for ordered sets. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 109–118. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[74] Gilberto Filé. Tree automata and logic programs. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 119–130. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[75] U. Fincke and M. Pohst. A new method of computing fundamental units in algebraic number fields. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 470–478. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[76] P.C. Fischer and Dirk van Gucht. Structure of relations satisfying certain families of dependencies. In Kurt Mehlhorn, editor, *Proceedings of*

the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985), volume 182 of *LNCS*, pages 131–142. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[77] P. Flajolet. Ambiguity and transcendence. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 179–188. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[78] Ph. Flajolet. Elements of a general theory of combinatorial structures. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 112–127. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[79] M.P. Flé and G. Roucairol. A language theoretic approach to serialization problem in concurrent systems. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 128–145. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[80] D. Ford and J. McKay. From polynomials to galois groups. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EURO-CAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 535–536. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[81] S.J. Fortune. A fast algorithm for polygon containment by translation. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 189–198. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[82] G. Frandsen. Logic programming and substitutions. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals*

of Computation Theory (Cottbus, GDR), volume 199 of *LNCS*, pages 146–158. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[83] M. Franová. A methodology for automatic programming based on the constructive matching strategy. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 568–569. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[84] Greg N. Frederickson. A single source shortest path algorithm for a planar distributed network. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 143–150. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[85] I. Frick and J.E. Åman. Sheep and classification in general relativity. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 161–162. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[86] M. Fürer. Deterministic and las vegas primality testing algorithms. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 199–209. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[87] H.N. Gabow and M. Stallmann. Efficient algorithms for graphic matroid intersection and parity. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 210–220. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[88] A. Galligo. Some algorithmic questions on ideals of differential operators. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 413–421. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[89] V.G. Ganzha, S.I. Mazurik, and V.P. Shapeev. Symbolic manipulations on a computer and their application to generation and investigation of difference schemes. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 335–347. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[90] Shaodi Gao. An algorithm for two-layer channel routing. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 151–160. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[91] B.L. Gates and J.A. van Hulzen. Automatic generation of optimized programs. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 583–584. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[92] W. Gaube, H.C. Mayr, and P.C. Lockemann. Retrieval in a module library using formal specifications: Preliminary search using syntactic properties. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 181–196. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[93] S. Ghelfo and E.G. Omodeo. Towards practical implementations of syllogistic. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204

of *LNCS*, pages 40–49. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[94] P. Gianni and B. Trager. Gcd's and factoring multivariate polynomials using gröbner bases. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 409–410. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[95] J. Gibert. The j-machine: Functional programming with combinators. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 197–198. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[96] M. Giusti. A note on the complexity of constructing standard bases. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 411–412. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[97] F. Goebbels. Factorization of rational polynomials in the zassenhaus-norm. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 146–147. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[98] J.A. Goguen, J.-P. Jouannaud, and J. Meseguer. Operational semantics for order-sorted algebra. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 221–231. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[99] G. Gottlob and A. Leitsch. Fast subsumption algorithms. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Com-*

puter Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 64–77. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[100] H. Graves and L. Blaine. The algos computational system. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 179–180. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[101] J.M. Greif. The smp pattern matcher. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 303–314. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[102] T. Gundermann. A lower bound on the oscilation complexity of context-free languages. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 159–166. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[103] C.A. Gunter. A universal domain technique for profinite posets. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 232–243. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[104] Ralf Hartmut Güting and Thomas Ottmann. New algorithms for special cases of the hidden line elimination problem. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 161–172. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[105] G. Hansel. A simple proof of the skolem-mahler-lech theorem. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on*

Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985), volume 194 of *LNCS*, pages 244–249. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[106] J. Hartmanis and N. Immerman. On complete problems for $np \cap conp$. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 250–259. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[107] N. Heck and J. Avenhaus. On logic programs with data-driven computations. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 433–443. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[108] Bettina Helfrich. An algorithm to construct minkowski-reduced lattice-bases. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 173–179. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[109] M. Hennessy. An algebraic theory of fair asynchronous communicating processes. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 260–269. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[110] B. Hohlfeld. Correctness proofs of the implementation of abstract data types. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 446–447. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[111] A. Hornaes. Computer algebra in norway. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 405–406. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[112] A. Hornaes and T. Wahl. Norcan - a computer calculus program. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 163–164. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[113] L. Hörnfeldt. Stensor. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 165. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[114] L. Hörnfeldt. Stensor uses disc automatically for very large computations. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 317. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[115] T. Hortalá-González and M. Rodriguez-Artalejo. Hoare's logic for nondeterministic regular programs: A nonstandard completeness theorem. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 270–280. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[116] K. Hrbacek. Powerdomains as algebraic lattices. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 281–289. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[117] B.J.A. Hulshof and J.A. van Hulzen. An expression compression package for reduce based on factorization and controlled expansion. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 315–316. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[118] H. Hussman. Unification in conditional equational theories. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 543–553. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[119] C.S. Iliopoulos. Gaussian elimination over a euclidean ring. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 29–30. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[120] C.S. Iliopoulos. Worst-case analysis of algorithms for computational problems on abelian permutation groups. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 225–228. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[121] Christine Irastorza. Base non finie de variétés. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 180–186. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[122] M. Jerrum. Random generation of combinatorial structures from a uniform distribution. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*,

pages 290–299. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[123] H. Jung. Depth efficient transformations of arithmetic into boolean circuits. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 167–174. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[124] H. Jung. On probabilistic time and space. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 310–317. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[125] E. Kaltofen. Sparse hensel lifting. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 4–17. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[126] E. Kaltofen and H. Rolletschek. Arithmetic in quadratic fields with unique factorization. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 279–288. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[127] R.G. Karlsson, J.I. Munro, and E.L. Robertson. The nearest neighbor problem on bounded domains. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 318–327. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[128] Rolf G. Karlsson and J. Ian Munro. Proximity on a grid. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 187–196. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[129] M. Karr. Canonical form for rational exponential expressions. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 585–594. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[130] M. Karr. Theory of summation in finite terms. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 605–606. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[131] M. Kaufmann and K. Mehlhorn. Routing through a generalized switchbox. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 328–337. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[132] R. Kemp. Free cost measures of trees. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 175–190. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[133] V. Keränen. On k-repetition free words generated by length uniform morphisms over a binary alphabet. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 338–347. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[134] C. Kirchner and H. Kirchner. Implementation of a general completion procedure parameterized by built-in theories and strategies. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 402–404. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[135] D.M. Klimov. Symbolic algebra in problems of non-linear mechanics. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 199–200. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[136] A.D. Korshunov. Discrete extremal problems on covering. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 191–207. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[137] J. Kortelainen. Every commutative quasirational language is regualar. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 348–355. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[138] V. Koubek and J. Krsnáková. Parallel algorithms for connected components in a graph. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 208–217. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[139] E. Kounalis. Completeness in data type specifications. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 348–362. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[140] Dexter Kozen, Umesh V. Vazirani, and Vijay V. Vazirani. *nc* algorithms for comparability graphs, interval graphs and testing for unique perfect matching. In *Proceedings of the 5th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'85 (New Delhi, India, December 16-18, 1985)*, volume 206 of *LNCS*, pages 496–503. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[141] I. Kramosil. Statistical testing of finite sequences based on algorithmic complexity. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 218–226. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[142] A. Krasiński. The program ortocartan for applications in einstein's relativity theory. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 159–160. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[143] M. Kreißig. A program system for factorization of polynomials with rational coefficients. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 155. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[144] K. Kriegel and S. Waack. Lower bounds for boolean formulae of depth 3 and the topology of the n-cube (preliminary version). In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 227–233. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[145] M. Křivánek and J. Morávek. Clustering to minimize the sum of volumes of convex hulls of clusters is np-complete. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 234–241. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[146] M. Křivánek and J. Morávek. Linear comparison complexity of the n-cube membership problem. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 242–248. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[147] Luděk Kučera. An $o(n^{1.5+\varepsilon})$ expected time algorithm for canonization and isomorphism testing of trivalent graphs. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 197–207. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[148] W. Küchlin. A confluence criterion based on the generalised newman lemma. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 390–399. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[149] T.G. Kurtz and U. Manber. A probabilistic distributed algorithm for set intersection and its analysis. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 356–362. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[150] K. Lamprecht and H.G. Zimmer. *p*-adic algorithms and the computation of zeros of *p*-adic l-functions. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 491–502. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[151] G.M. Landau, M.M. Yung, and Z. Galil. Distributed algorithms in synchronous broadcasting networks. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 363–372. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[152] K.-J. Lange and E. Welzl. String grammars with disconnecting. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 249–256. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[153] K.G. Larsen. A context dependent equivalence between processes. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 373–382. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[154] W. Lassner. Symbol representations of noncommutative algebras. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 99–115. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[155] P. Le Chenadec. A completion of some coxeter groups. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 229–242. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[156] Joseph Y.-T. Leung and B. Monien. On the complexity of deadlock recovery. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 208–218. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[157] C. Levcopoulos. A fast heuristic for covering polygons by rectangles. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 269–278. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[158] M. Li. Lower bounds by kolmogorov-complexity. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 383–393. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[159] R. Lidl. On decomposable and commuting polynomials. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 148–149. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[160] R. Llopis de Trias. An overview of completion algorithms. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 424–428. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[161] L. Lovász. Vertex packing algorithms. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 1–14. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[162] M. Luby and P. Ragde. A bidirectional shortest-path algorithm with good average-case behavior. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 394–403. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[163] M.G. Main, W. Bucher, and D. Haussler. Applications of an infinite squarefree co-cfl. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 404–412. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[164] G.S. Makanin. On the decidability of the theory of free groups (russ.). In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 279–284. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[165] Z. Manna and R. Waldinger. Special relations in automated deduction. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 413–423. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[166] S.W. Margolis and J.E. Pin. Products of group languages. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 285–299. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[167] Yu.V. Matijasevich. A posteriori interval analysis. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 328–334. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[168] S. McCallum. An improved projection operation for cylindrical algebraic decomposition. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 277–278. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[169] W.F. McColl. On the planar monotone computation of threshold functions. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 219–230. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[170] W.F. McColl. Planar circuits have short specifications. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 231–242. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[171] K. Mehlhorn and K. Simon. Intersecting two polyhedra one of which is convex. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 534–542. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[172] K. Mehlhorn and A. Tsakalidis. Dynamic interpolation search. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 424–434. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[173] K. Millington and F.J. Wright. Algebraic computations in elementary catastrophe theory. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 116–125. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[174] H.M. Möller. A reduction strategy for the taylor resolution. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 526–534. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[175] B. Monien. The complexity of embedding graphs into binary trees. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 300–309. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[176] F. Mora. An algorithmic approach to local rings. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 518–525. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[177] A. Mukhopadhyay. A solution to the polynomial hensel-code conversion problem. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 327. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[178] N.V. Murray and E. Rosenthal. Path resolution and semantic graphs. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 50–63. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[179] M.A. Nait Abdallah. On some topological properties of logic programs. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 310–319. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[180] K. Nehrkorn. Symbolic integration of exponential polynomials. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 599–600. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[181] E. Nelson. Recent results on continuous ordered algebras. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 320–330. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[182] D.B. Nikolova. On some laws in psl(2,q). In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 245. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[183] J.F. Ogilvie. Application of computer algebra to the theory of the vibration-rotational spectra of diatomic molecules. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 205. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[184] H. Ong and D. Golke. An algorithm for the computation of perfect polyhedral cones over real quadratic number fields. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 487–488. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[185] Joseph O'Rourke, Subhash Suri, and Heather Booth. Shortest paths on polyhedral surfaces. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 243–254. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[186] P. Orponen, D.A. Russo, and U. Schöning. Polynomial levelability and maximal complexity cores. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 435–444. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[187] R. Paige and F. Henglein. Mechanical translation of set theoretic problem specifications into efficient ram code - a case study. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 554–567. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[188] S. Passy and T. Tinchev. Quantifiers in combinatory pdl: Completeness, definability, incompleteness. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory*

(Cottbus, GDR), volume 199 of *LNCS*, pages 512–519. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[189] E. Paul. On solving the equality problem in theories defined by horn clauses. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 363–377. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[190] P.D. Pearce and R.J. Hicks. The optimisation by "code motion" of user programs for an algebraic manipulation system. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 429–430. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[191] J. Pedersen. Obtaining complete sets of reductions and equations without using special unification algorithms. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 422–423. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[192] A. Pethö. On the solution of the diophantine equation $g_n = p^z$. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 503–512. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[193] J.E. Pin. Finite group topology and p-adic topology for free monoids. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 445–455. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[194] A. Pnueli. Linear and branching structures in the semantics and logics of reactive systems. In W. Brauer, editor, *Proceedings of the*

12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985), volume 194 of *LNCS*, pages 15–32. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[195] Sera Porat and Nissim Francez. Fairness in context-free grammars under canonical derivations. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 255–266. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[196] M.A. Reichert. Explicit determination of non-trivial torsion structures of elliptic curves over quadratic number fields. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 489–490. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[197] J. Reif. Probabilistic algorithms in group theory. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 341–350. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[198] C. Reutenauer. Recent results on codes. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 351–360. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[199] Jean-Luc Richier. Distributed termination in csp: Symmetric solutions with minimal storage. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 267–278. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[200] P. Richter. Thklisp as a base of formula manipulation systems. In Bob F. Caviness, editor, *Proceedings of the 10th European Con-*

ference on Computer Algebra, Vol. 2: Research contributions, EU-ROCAL'85 (Linz, Austria, April 1-3, 1985), volume 204 of *LNCS*, page 156. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[201] W. Riedel. A program system for root finding. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 154. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[202] L. Robbiano. Term orderings on the polynomial ring. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 513–517. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[203] Hans Rohnert. A dynamization of the all pairs least cost path problem. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 279–286. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[204] L.E. Rosier and H.-C. Yen. A multiparameter analysis of the boundedness problem for vector addition systems. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 361–370. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[205] Louis E. Rosier and Hsu-Chun Yen. Boundedness, empty channel detection and synchronization for communicating finite state machines. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 287–298. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[206] Véronique Royer. Deriving stack semantics congruent to standard denotational semantics. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science,*

STACS'85 (Saarbrücken, Germany, January 3-5, 1985), volume 182 of *LNCS*, pages 299–309. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[207] B. Rozoy. About two-way transducers. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 371–379. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[208] S.M. Rump. Acrith - high accuracy arithmetic subroutine library. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EURO-CAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 320–321. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[209] S.M. Rump. Numerical methods with automatic verification. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EURO-CAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 318–319. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[210] W. Rytter. Parallel time $o(\log n)$ recognition of unambiguous cfls. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 380–389. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[211] H. Sachs. On colour critical graphs. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 390–401. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[212] Jörg R. Sack and Godfried T. Toussaint. Translating polygons in the plane. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*,

pages 310–321. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[213] A. Sakharov. The structural synthesis of programs: New means. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 570–571. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[214] N. Santoro, J.B. Sidney, S.J. Sidney, and J.B. Urrutia. Geometric containment is not reducible to pareto dominance. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 322–327. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[215] F. Schwarz. A reduce package for determining first integrals of autonomous systems of ordinary differential equations. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 601–602. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[216] P. Séébold. Generalized thue-morse sequences. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 402–411. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[217] D. Seese. Tree-partite graphs and the complexity of algorithms. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 412–421. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[218] H. Seidl. A quadratic regularity test for non-deleting macro s grammars. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume

199 of *LNCS*, pages 422–430. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[219] M.F. Singer and J.H. Davenport. Elementary and liouivillian solutions of linear differential equations. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 595–596. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[220] S. Sippu and E. Soisalon-Soininen. On the use of relational expressions in the design of efficient algorithms. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 456–464. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[221] A.P. Sistla, M.Y. Vardi, and P. Wolper. The complementation problem for büchi automata with applications to temporal logic. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 465–474. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[222] Paul G. Spirakis. The volume of the union of many spheres and point inclusion problems. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 328–338. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[223] C. Stirling. A complete compositional modal proof system for a subset of ccs. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 475–486. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[224] R.S. Sutor. The scratchpad ii computer algebra language and system. In Bob F. Caviness, editor, *Proceedings of the 10th European*

Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985), volume 204 of *LNCS*, pages 32–33. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[225] M. Taraniuk and P.C. Mackeonis. Demonstration of reduce3 as implemented on a stand-alone motorola 68000 based microcomputer. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 31. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[226] A. Tarlecki and M. Wirsing. Continuous abstract data types: Basic machinery and results. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 431–441. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[227] Ph. Tombal and A. Moussiaux. Macsyma's computation of dirac-bergmann algorithm for hamiltonian systems with contraints. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 201–202. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[228] Leen Torenvliet and Peter van Emde Boas. Combined simplicity and immunity in relativized *np*. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 339–350. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[229] W. Trinks. On improving approximate results of buchberger's algorithm by newton's method. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 608–612. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[230] M.-P. van der Hulst and A.K. Lenstra. Factorization of polynomials by transcendental evaluation. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 138–145. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[231] J. van Leeuwen and J. Wiedermann. Array processing machines. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 257–268. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[232] V.A. Vardanian. On the length of single dynamic tests for monotone boolean functions. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 442–449. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[233] P.J. Varman and I.V. Ramakrishnan. On matrix multiplication using array processors. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 487–496. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[234] G. Viennot. Enumerative combinatorics and algebraic languages. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 450–464. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[235] U. Vishkin. Optimal parallel pattern matching in strings. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 497–508. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[236] L. Voelkel. On several kinds of space-bounded on-line multicounter automata. In L. Budach, editor, *Proceedings of the International Confer-*

ence on Fundamentals of Computation Theory (Cottbus, GDR), volume 199 of *LNCS*, pages 465–473. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[237] H. Vogler. Iterated linear control and iterated one-turn pushdowns. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 474–484. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[238] J.W. von Gudenberg. Floating-point computation in pascal-sc with verified results. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 322–324. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[239] J.W. von Gudenberg. Pascal-sc demonstration: Accurate arithmetic for verified results. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 325–326. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[240] P.S. Wang. Taking advantage of symmetry in the automatic generation of numerical programs for finite element analysis. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 572–582. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[241] S.M. Watt. A system for parallel computer algebra programs. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 537–538. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[242] G. Wechsung. On the boolean closure of *np*. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of*

Computation Theory (Cottbus, GDR), volume 199 of *LNCS*, pages 485–493. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[243] I. Wegener. The critical complexity of all (monotone) boolean functions and montone graph properties. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 494–502. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[244] Pascal Weil. Groups, codes and unambiguous automata. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 351–362. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[245] V. Weispfenning. The complexity of elementary problems in archimedean ordered groups. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 87–88. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[246] Dan E. Willard. Reduced memory space for multi-dimensional search trees. In Kurt Mehlhorn, editor, *Proceedings of the 2nd Annual Symposium on Theoretical Aspects of Computer Science, STACS'85 (Saarbrücken, Germany, January 3-5, 1985)*, volume 182 of *LNCS*, pages 363–374. Springer-Verlag, Berlin-Heidelberg-New York-Tokyo, 1985.

[247] F. Winkler. Reducing the complexity of the knuth-bendix completion algorithm: A "unification" of different approaches. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 378–389. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[248] Th. Wolf. Analytical decoupling, decision of compatibility and partial integration of systems of non-linear ordinary and partial differential

equations. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 597–598. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[249] D.A. Young and P.S. Wang. An improved plotting package for vaxima. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, pages 431–432. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[250] H. Zassenhaus. Symbol manipulation and symmetry breaking. In Bob F. Caviness, editor, *Proceedings of the 10th European Conference on Computer Algebra, Vol. 2: Research contributions, EUROCAL'85 (Linz, Austria, April 1-3, 1985)*, volume 204 of *LNCS*, page 607. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[251] Th. Zink. Degeneration of shimura surfaces and a problem in coding theory. In L. Budach, editor, *Proceedings of the International Conference on Fundamentals of Computation Theory (Cottbus, GDR)*, volume 199 of *LNCS*, pages 503–511. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.

[252] J. Zwiers, W.P. de Roever, and P. van Emde Boas. Compositionality and concurrent networks: Soundness and completeness of a proof-system. In W. Brauer, editor, *Proceedings of the 12th International Colloquium on Automata, Languages and Programming, ICALP'85 (Nafplion, Greece, July 15-19, 1985)*, volume 194 of *LNCS*, pages 509–519. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1985.