

References

- [1] Helmut Alt, Kurt Mehlhorn, and J. Ian Munro. Partial match retrieval in implicit data structures. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 156–161. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [2] H. Andr eka, I. N emeti, and I. Sain. A characterization of floyd-provable programs. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbsk  Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 162–171. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [3] K.R. Apt and G.D. Plotkin. A cook's tour of countable nondeterminism. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 479–494. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [4] Egidio Astesiano and Elena Zucca. Semantics of csp via translation into ccs. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbsk  Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 172–182. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [5] G. Ausiello, A. D'Atri, and D. Sacc . Graph algorithms for the synthesis and manipulation of data base schemes. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 212–233. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [6] Carlo Batini and Alessandro D'Atri. Schema hypergraphs: A formalism to investigate logical data base design. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18,*

- 1980), volume 100 of *LNCS*, pages 177–194. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [7] J. Beauquier and J. Berstel. More about the “geography” of context-free languages. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS’1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 183–192. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [8] C. Beeri and M.Y. Vardi. The implication problem for data dependencies. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP’81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 73–85. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [9] Mordechai Ben-Ari, Joseph Y. Halpern, and Amir Pnueli. Finite models for deterministic propositional dynamic logic. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP’81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 249–263. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [10] Jon Louis Bentley and Thomas Ottmann. The complexity of manipulating hierarchically defined sets of rectangles. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS’1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [11] Jon Louis Bentley and Thomas Ottmann. The power of a one-dimensional vector of processors. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG’80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 80–89. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [12] J.A. Bergstra, M. Broy, J.V. Tucker, and M. Wirsing. On the power of algebraic specifications. In Jozef Gruska and Michal Chytil, editors,

- Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 193–204. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [13] J.A. Bergstra and J.V. Tucker. Algebraically specified programming systems and hoare's logic. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 348–362. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [14] A. Bertoni, M. Brambilla, G. Mauri, and N. Sabadini. An application of the theory of free partially commutative monoids: Asymptotic densities of trace languages. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 205–215. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [15] Mera Blattner and Michel Latteux. Parikh-bounded languages. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 316–323. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [16] R. Book, M. Jantzen, B. Monien, C. Ó'Dúnlaing, and C. Wrathall. On the complexity of word problems in certain thue systems. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 216–223. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [17] Franz-Josef Brandenburg. On the transformation of derivation graphs to derivation trees. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 224–233. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [18] Andreas Brandstädt. Pushdown automata with restricted use of storage symbols. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 234–241. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [19] Peter Brucker. The chinese postman problem for mixed graphs. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 354–366. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [20] Lothar Budach. Two pebbles don't suffice. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 578–589. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [21] L.A. Cherkasova and V.E. Kotov. Structured nets. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 242–251. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [22] B. Courcelle. An axiomatic approach to the korenjak-hopcroft algorithms. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 393–407. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [23] Robert P. Daley. Retraceability, repleteness and busy beaver sets. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 252–261. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [24] W. Damm and I. Guessarian. Combining t and level- n . In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 262–270. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [25] Ulrich Derigs. f -factors, perfect matchings and related concepts. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 388–403. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [26] Nachum Dershowitz. Termination of linear rewriting systems. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 448–458. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [27] Jürgen Ebert and Jürgen Perl. Reachability homomorphisms on nets. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 326–334. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [28] A. Ehrenfeucht and G. Rozenberg. On the (generalized) post correspondence problem with lists of length 2. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 408–416. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [29] H.D. Ehrlich. On realization and implementation. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 271–280. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [30] Joost Engelfriet and Gilberto Filè. Passes, sweeps and visits. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Col-*

- loquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 193–207. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [31] Andrei P. Ershov. The transformational machine: Theme and variations. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 16–32. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [32] Shimon Even and Yacov Yacobi. An observation concerning the complexity of problems with few solutions and its application to cryptography. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 270–278. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [33] Aviezri S. Fraenkel and David Lichtenstein. Computing a perfect strategy for $n \times n$ chess requires time exponential in n . In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 278–293. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [34] Rūsiņš Freivalds. Probabilistic two-way machines. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 33–45. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [35] D.Yu. Grigor'ev. Multiplicative complexity of a bilinear form over a commutative ring. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 281–286. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [36] Eitan M. Gurari and Oscar H. Ibarra. The complexity of decision problems for finite-turn multicounter machines. In S. Even and O. Kariv,

- editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 495–505. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [37] Petr Hájek. Making dynamic logic first-order. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 287–295. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [38] Horst Hamacher. Optimal (s, t) -cuts. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 383–387. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [39] J. Heintz and M. Sieveking. Absolute primality of polynomials is decidable in random polynomial time in the number of the variables. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 16–28. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [40] Jia-Wei Hong, Kurt Mehlhorn, and Arnold L. Rosenberg. Cost trade-offs in graph embeddings, with applications. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 41–55. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [41] J. Hořejš. Partial interpretations of program schemata. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 296–303. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [42] JuraJ Hromkovič. Closure properties of the family of languages recognized by one-way two-head deterministic finite state automata. In Jozef

- Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 304–313. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [43] S. Huddleston and K. Mehlhorn. Robust balancing in b-trees. volume 104 of *LNCS*, pages 234–244. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1981.
- [44] Oscar H. Ibarra, Brian S. Leininger, and Shlomo Moran. On the complexity of simple arithmetic expressions. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 294–304. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [45] Sorin Istrail. Chomsky-schützenberger representations for families of languages and grammatical types. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 333–347. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [46] Alon Itai, Alan G. Konheim, and Michael Rodeh. A sparse table implementation of priority queues. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 417–431. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [47] Yair Itzhaik and Amiram Yehudai. A decision procedure for one equivalence of two dpdas — one of which is linear. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 229–237. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [48] Ladislav Janiga. Another hierarchy defined by multihead finite automata. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the*

- 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 314–320. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [49] Jerzy W. Jaromczyk. An extension of rabin's complete proof concept. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 321–326. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [50] Kurt Jensen. How to find invariants for coloured petri nets. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 327–338. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [51] Neil D. Jones. Flow analysis of lambda expressions. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 114–128. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [52] Deborah Joseph and Paul Young. A survey of some recent results on computational complexity in weak theories of arithmetic. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 46–60. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [53] H. Jung. Relationships between probabilistic and deterministic tape complexity. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 339–346. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [54] Akira Kanda. Constructive category theory (no. 1). In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 563–577. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [55] Peter Kandzia and Margret Mangelmann. The use of transitively irreducible kernels of full families of functional dependencies in logical data base design. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 195–211. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [56] Juhani Karhumäki. Generalized parikh mappings and homomorphisms. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 324–332. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [57] Alica Kelemenová. Grammatical levels of the position restricted grammars. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 347–359. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [58] K.N. King. Alternating multihead finite automata. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 506–520. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [59] H.C.M. Kleijn and G. Rozenberg. A general framework for comparing sequential and parallel rewriting. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 360–368. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [60] Walter Knödel. A bin packing algorithm with complexity $o(n \log n)$ and performance 1 in the stochastic limit. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 369–378. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [61] Ivan Korec. Codings of nonnegative integers. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 379–388. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [62] B. Korte and R. Schrader. A survey on oracle techniques. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 61–77. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [63] Václav Koubek and Antonín Říha. The maximum k -flow in a network. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 389–397. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [64] Hans-Jörg Kreowski. A comparison between petri-nets and graph grammars. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 306–317. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [65] Hans-Jörg Kreowski and Grzegorz Rozenberg. On the constructive description of graph languages accepted by finite automata. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 398–409. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [66] H.P. Kriegel and V.K. Vaishnavi. Weighted multidimensional b-trees used as nearly optimal dynamic dictionaries. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 410–417. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [67] Luděk Kučera. Maximum flow in planar networks. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 418–422. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [68] Peter Läuchli. Generating all planar 0-,1-,2-,3-connected graphs. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 379–382. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [69] D. Lehmann, A. Pnueli, and J. Stavi. Impartiality, justice and fairness: The ethics of concurrent termination. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 264–277. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [70] Karl Lieberherr. Probabilistic combinatorial optimization. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 423–432. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [71] Karl Lieberherr. Uniform complexity and digital signatures. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 530–543. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [72] Jacques Loeckx. Algorithmic specifications of abstract data types. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 129–147. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [73] Helmut J. Ludwigs. Properties of ordered graph grammars. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 70–79. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [74] Bernd Mahr. A bird's eye view to path problems. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 335–353. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [75] J.A. Makowsky. Characterizing data base dependencies. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 86–97. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [76] J.A. Makowsky. Erratum to "measuring the expressive power of dynamic logics: An application of abstract model theory". In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 551–551. Springer-Verlag, Berlin-Heidelberg-New York, 1981. Originally in *LNCS* 85, 1980, 409-421.
- [77] H. Maurer. The post-office problem and related questions. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 1–19. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [78] Kurt Mehlhorn. A new data structure for representing sorted lists. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop*

- on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 90–112. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [79] Albert R. Meyer, Robert S. Streett, and Grazyna Mirkowska. The deducibility problem in propositional dynamic logic. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 238–248. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [80] Friedhelm Meyer auf der Heide. Time-processor trade-offs for universal parallel computers. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 433–441. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [81] Burkhard Monien and Ivan Hal Sudborough. Bounding the bandwidth of np -complete problems. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 279–292. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [82] Burkhard Monien and Ivan Hal Sudborough. Time and space bounded complexity classes and bandwidth constrained problems. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 78–93. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [83] Marc Moricani and Richard L. Schwartz. Automatic construction of verification condition generators from hoare logics. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 363–377. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [84] M. Nagl. Graph rewriting and automatic, machine-independent program optimization. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 55–69. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [85] Jaroslav Nešetřil. Representations of graphs by means of products and their complexity. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 94–102. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [86] Anton Nijholt. Parsing strategies: A concise survey. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 103–120. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [87] Hidenosuke Nishio. Series of graphs generated by rational machines. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 20–31. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [88] Hartmut Noltemeier. On a generalization of heaps. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 127–136. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [89] Th. Ottmann, H. Six, and D. Wood. The analysis of search trees: A survey. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 234–249. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [90] Judea Pearl. The solution for the branching factor of the alpha-beta pruning algorithm. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 521–529. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [91] Alberto Pettorossi. Comparing and putting together recursive path ordering, simplification orderings and non-ascending property for termination proofs of term rewriting systems. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 432–447. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [92] Jean Eric Pin. Langages reconnaissables et codage prefixe pur. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 184–192. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [93] Jan Pittl. Negative results on the size of deterministic right parsers. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 442–451. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [94] A. Pnueli and R. Zarhi. Realizing an equational specification. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 459–478. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [95] Jaroslav Pokorný. Key-equivalence of functional dependency statements systems. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 452–462. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [96] F.P. Preparata and J.E. Vuillemin. Area-time optimal vlsi networks for computing integer multiplication and discrete fourier transform. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 29–40. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [97] John H. Reif. Minimum $s - t$ cut of a planar undirected network in $o(n \log^2(n))$ time. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 56–67. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [98] Wolfgang Reisig. A graph grammar representation of nonsequential processes. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 318–325. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [99] Jan Reiterman and Věra Trnková. On representation of dynamic algebras with reversion. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 463–472. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [100] Christoph Reutenauer. A new characterization of the regular languages. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 177–183. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [101] Arnold L. Rosenberg. Issues in the study of graph embeddings. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 150–176. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [102] Branislav Rován. A framework for studying grammars. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 473–482. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [103] V.Yu. Sazonov. On existence of complete predicate calculus in meta-mathematics without exponentiation. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 483–490. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [104] Gunther Schmidt. Investigating programs in terms of partial graphs. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 268–269. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [105] Hans Jürgen Schneider. Set-theoretic concepts in programming languages and their implementation. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 42–54. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [106] M. Schnitzler. Graph grammars and the complexity gap in the isomorphism problem for acyclic digraphs. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 137–149. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [107] C.P. Schnorr. Refined analysis and improvements on some factoring algorithms. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [108] Ravi Sethi. Circular expressions: Elimination of static environments. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 378–392. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [109] Adi Shamir. On the generation of cryptographically strong pseudorandom sequences. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 544–550. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [110] Micha Sharir. Data flow analysis of applicative programs. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 98–113. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [111] Seppo Sippu and Eljas Soisalon-Soininen. On lark testing. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 208–217. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [112] H.-W Six. A framework for data structures. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 250–267. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [113] Marc Snir. Proving lower bounds for linear decision trees. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 305–315. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [114] Eljas Soisalon-Soininen and Derick Wood. On structural similarity of context-free grammars. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of*

Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981), volume 118 of *LNCS*, pages 491–498. Springer-Verlag, Berlin-Heidelberg-New York, 1981.

- [115] Stefan Sokołowski. Axioms for the term-wise correctness of programs. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 499–507. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [116] Ludwig Staiger. Complexity and entropy. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 508–514. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [117] Juraj Steiner. Axiomatic semantics of indirect addressing. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 515–523. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [118] P.A. Subrahmanyam. Nondeterminism in abstract data types. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 148–164. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [119] I.H. Sudborough. The complexity of path problems in graphs and path systems of bounded bandwidth. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 293–305. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [120] Katsumi Tanaka and Yahiko Kambayashi. Testing of join dependency preserving by a modified chase method. In Jozef Gruska and

- Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 524–533. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [121] Gottfried Tinhofer. On the use of some almost sure graph properties. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 113–126. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [122] Esko Ukkonen. On size bounds for deterministic parsers. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 218–228. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [123] Jeffrey D. Ullman. A view of directions in relational database theory. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 165–176. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [124] L.G. Valiant and S. Skyum. Fast parallel computation of polynomials using few processors. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 132–139. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [125] Rüdiger Valk. Generalizations of petri nets. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 140–155. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [126] Jan van Leeuwen and Mark H. Overmars. The art of dynamizing. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4,*

- 1981), volume 118 of *LNCS*, pages 121–131. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [127] Oliver Vornberger. Alternating cycle covers and paths. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-18, 1980)*, volume 100 of *LNCS*, pages 367–378. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [128] Horst Wedde. A starvation-free solution of the dining philosophers' problem by use of interaction systems. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 534–543. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [129] Klaus Weihrauch and Gisela Schäfer. Admissible representations of effective cpo's. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 544–553. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [130] E. Welzl. On the density of color-families. In S. Even and O. Kariv, editors, *Proceedings of the 8th International Colloquium on Automata, Languages and Programming, ICALP'81 (Acre (Akko), Israel, July 13-17, 1981)*, volume 115 of *LNCS*, pages 68–72. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [131] Juraj Wiedermann. Preserving total order in constant expected time. In Jozef Gruska and Michal Chytil, editors, *Proceedings of the 10th Symposium on Mathematical Foundations of Computer Science, MFCS'1981 (Štrbské Pleso, Czechoslovakia, August 31 - September 4, 1981)*, volume 118 of *LNCS*, pages 554–562. Springer-Verlag, Berlin-Heidelberg-New York, 1981.
- [132] Kurt-Ulrich Witt. On linearizing graphs. In Hartmut Noltemeier, editor, *Proceedings of the International Workshop on Graphtheoretic Concepts in Computer Science, WG'80 (Bad Honnef, Germany, June 15-*

18, 1980), volume 100 of *LNCS*, pages 32–41. Springer-Verlag, Berlin-Heidelberg-New York, 1981.