

References

- [1] A. Arnold and M. Nivat. Controlling behaviours of systems: Some basic concepts and some applications. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 113–122. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [2] G. Ausiello, C. Batini, and M. Moscarini. Conceptual relations between databases transformed under join and projection. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 123–136. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [3] X. Berenguer and J. Diaz. The weighted sperner's set problem. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 137–141. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [4] E. Best. Proof of a concurrent program finding euler paths. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 142–153. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [5] Wolfgang Bibel. A theoretical basis for the systematic proof method. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 154–167. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [6] Dines Bjørner. Formal description of programming concepts — a software engineering viewpoint. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 1–21. Springer-Verlag, Berlin-Heidelberg-New York, 1980.

- [7] J. Dean Brock. Consistent semantics for a data flow language. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 168–180. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [8] R.M. Burstall. Electronic category theory. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 22–39. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [9] Luca Cardelli. Analog processes. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 181–193. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [10] Mario Coppo. An extended polymorphic type system for applicative languages. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 194–204. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [11] Wiktor Dańko. A criterion of undecidability of algorithmic theories. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 205–218. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [12] P. Degano, A. Lomanto, and F. Sirovich. On finding the optimal access path to resolve a relational data base query. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 219–230. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [13] H. Ehrig, H.-J. Kreowski, B. Mahr, and P. Padawitz. Compound algebraic implementations: An approach to stepwise refinement of software systems. In P. Dembiński, editor, *Proceedings of the 9th Symposium*

on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980), volume 88 of *LNCS*, pages 231–245. Springer-Verlag, Berlin-Heidelberg-New York, 1980.

- [14] H.J. Genrich, K. Lautenbach, and P.S. Thiagarajan. Substitution systems — a family of system models based on concurrency. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 698–723. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [15] David Harel. On and/or schemes. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 246–260. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [16] J. Hartmanis and S.R. Mahaney. An essay about research on sparse np complete sets. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 40–57. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [17] M.C.B. Hennessy and G.D. Plotkin. A term model for ccs. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 261–274. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [18] Berthold Hoffmann and Ilse-R. Schmiedecke. A mathematical approach to multi-pass parsing. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 275–290. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [19] Ulrich L. Hupbach. Abstract implementation of abstract data types. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland,*

- September 1-5, 1980), volume 88 of *LNCS*, pages 291–304. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [20] Joseph Ja'Ja' and Janos Simon. Parallel algorithms in graph theory: Planarity testing. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 305–319. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [21] Ryszard Janicki. On atomic nets and concurrency relations. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 320–333. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [22] D. Janssens and G. Rozenberg. Node-label controlled graph grammars. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 334–347. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [23] Kurt Jensen. A method to compare the descriptive power of different types of petri nets. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 348–361. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [24] Robert M. Keller. Some theoretical aspects of applicative multiprocessing. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 58–74. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [25] Herbert A. Klaeren. A simple class of algorithmic specifications for abstract software modules. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 362–374. Springer-Verlag, Berlin-Heidelberg-New York, 1980.

- [26] Norbert Kraft and Horst Wedde. Inducing patterns of behaviour in distributed system parts. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 375–386. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [27] Ingbert Kupka. Van wijngaarden grammars as a special information processing model. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 387–401. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [28] Y.S. Kwong and D. Wood. Approaches to concurrency in b-trees. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 402–413. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [29] Burkhard Monien. On a subclass of pseudopolynomial problems. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 414–425. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [30] Horst Müller. Decidability of reachability in persistent vector replacement systems. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 426–438. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [31] Seiichi Okoma. Generalized heapsort. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 439–451. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [32] Hiroakira Ono and Akira Nakamura. Decidability results on a query language for data bases with incomplete information. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations*

- of Computer Science, *MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 452–459. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [33] Peter Padawitz. New results on completeness and consistency of abstract data types. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 460–473. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [34] Judea Pearl. Asymptotic complexity of game-searching procedures. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 474–487. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [35] Helena Rasiowa. Completeness in classical logic of complex algorithms. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 488–503. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [36] H. Reichel. Initially — restricting algebraic theories. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 504–514. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [37] Wolfgang Reisig. Schemes for nonsequential processing systems. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 515–527. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [38] Jan Reiterman and Věra Trnková. Dynamic algebras which are not kripke structures. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 528–538. Springer-Verlag, Berlin-Heidelberg-New York, 1980.

- [39] Peter Ružička. Time and space bounds in producing certain partial orders. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 539–551. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [40] Andrzej Salwicki. Axioms of algorithmic logic univocally determine semantics of programs. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 552–561. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [41] V.Yu. Sazonov. A logical approach to the problem “ $p = np?$ ”. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 562–575. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [42] M.W. Shields and P.E. Lauer. Verifying concurrent system specifications in cosy. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 576–586. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [43] Joseph Sifakis. Deadlocks and livelocks in transition systems. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 587–600. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [44] Giora Slutzki. Descriptive complexity of concurrent processes. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 601–611. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [45] Stefan Sokołowski. A uniform approach to applicative and imperative features in programming languages. In P. Dembiński, editor, *Proceedings*

- of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980), volume 88 of LNCS, pages 612–626. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [46] Zbigniew Suraj. A resource allocation problem. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of LNCS, pages 627–642. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [47] Tadao Takaoka and Alistair Moffat. An $0(n^2 \log n \log \log n)$ expected time algorithm for the all shortest distance problem. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of LNCS, pages 643–655. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [48] M.K. Valiev. Decision complexity of variants of propositional dynamic logic. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of LNCS, pages 656–664. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [49] Paul M.B. Vitányi. Relativized obliviousness. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of LNCS, pages 665–672. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [50] M. Wirsing and M. Broy. Abstract data types as lattices of finitely generated models. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88 of LNCS, pages 673–685. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [51] Jacek Witaszek. The lr(k) parser. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyňa, Poland, September 1-5, 1980)*, volume 88

of *LNCS*, pages 686–697. Springer-Verlag, Berlin-Heidelberg-New York, 1980.

- [52] C.K. Wong. On some discrete optimization problems in mass storage systems. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 75–93. Springer-Verlag, Berlin-Heidelberg-New York, 1980.
- [53] Wm.A. Wulf. Abstract data types: A retrospective and prospective view. In P. Dembiński, editor, *Proceedings of the 9th Symposium on Mathematical Foundations of Computer Science, MFCS'1980 (Rydzyzna, Poland, September 1-5, 1980)*, volume 88 of *LNCS*, pages 94–112. Springer-Verlag, Berlin-Heidelberg-New York, 1980.