

References

- [1] E. Astesiano and G. Costa. Sharing in nondeterminism. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [2] J. Berstel. Sur les mots sans carré définis par un morphisme. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 16–25. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [3] A. Bertoni, G. Mauri, and P.A. Miglioli. A characterization of abstract data as model-theoretic invariants. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 26–37. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [4] M. Blattner. Inherent ambiguities in families of grammars. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 38–48. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [5] R.V. Book and F.-J. Brandenburg. Representing complexity classes by equality sets. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 49–57. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [6] M. Broy, W. Dosch, H. Partsch, P. Pepper, and M. Wirsing. Existential quantifiers in abstract data types. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 73–87. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.

- [7] C. Choffrut. A generalization of ginsburg and rose's characterization of g-s-m mappings. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 88–103. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [8] L. Chottin. Strict deterministic languages and controlled rewriting systems. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 104–117. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [9] B. Commentz-Walter. A string matching algorithm fast on the average. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 118–132. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [10] M. Coppo, M. Dezani-Ciancaglini, and P. Sallé. Functional characterization of some semantic equalities inside λ -calculus. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 133–146. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [11] A.B. Cremers and T.N. Hibbard. Arbitration and queueing under limited shared storage requirements. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 147–160. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [12] K. Culik II. On the homomorphic characterizations of families of languages. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 161–170. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.

- [13] P. Dembinski and J. Maluszynski. Two level grammars: Cf-grammars with equation schemes. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 171–187. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [14] N. Dershowitz and Z. Manna. Proving termination with multiset orderings. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 188–202. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [15] P. Deussen. One abstract accepting algorithm for all kinds of parsers. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 203–217. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [16] A.G. Duncan and L. Yelowitz. Studies in abstract/concrete mappings in proving algorithm correctness. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 218–229. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [17] F.E. Fich and J.A. Brzozowski. A characterization of a dot-depth two analogue of generalized definite languages. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 230–244. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [18] D. Friede. Partitioned $ll(k)$ grammars. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 245–255. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.

- [19] J.H. Gallier. Recursion schemes and generalized interpretations. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 256–270. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [20] J. Goldstine. A rational theory of affs. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 271–281. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [21] J. Hartmanis. On the succinctness of different representations of languages. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 282–288. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [22] S. Istrail. A fixed-point theorem for recursive-enumerable languages and some considerations about fixed-point semantics of monadic programs. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 289–303. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [23] W. Janko. Hierarchic index sequential search with optimal variable block size and its minimal expected number of comparisons. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 304–315. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [24] H.J. Jeanrond. A unique termination theorem for a theory with generalised commutative axioms. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 316–330. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.

- [25] T. Kamimura and G. Slutzki. Dags and chomsky hierarchy. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 331–337. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [26] R. Karp. Recent advances in the probabilistic analysis of graph-theoretic algorithms. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 338–339. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [27] R. Kemp. On the average stack size of regularly distributed binary trees. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 340–355. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [28] W. Kowalk and R. Valk. On reductions of parallel programs. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 356–369. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [29] W. Kuich, H. Prodinger, and F.J. Urbanek. On the height of derivation trees. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 370–384. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [30] Z. Manna and A. Pnueli. The modal logic of programs. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 385–410. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [31] F. Meyer auf der Heide. A comparison between two variations of a pebble game on graphs. In H.A. Maurer, editor, *Proceedings of the*

- 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 411–421. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [32] D.R. Milton and C.N. Fischer. Ll(k) parsing for attributed grammars. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 422–430. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [33] B. Monien and I.H. Sudborough. On eliminating nondeterminism from turing machines which use less than logarithm worktape space. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 431–445. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [34] A. Nijholt. Structure preserving transformations on non-left-recursive grammars. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 446–459. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [35] C.H. Papadimitriou and M. Yannakakis. The complexity of restricted minimum spanning tree problems. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 460–470. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [36] G. Rozenberg. A systematic approach to formal language theory through parallel rewriting. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 471–478. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.

- [37] G. Rozenberg and D. Vermeir. Extending the notion of finite index. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 479–488. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [38] W.L. Ruzzo. On the complexity of general context-free language parsing and recognition. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 489–497. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [39] J.E. Savage and S. Swamy. Space-time tradeoffs for oblivious integer multiplication. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 498–504. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [40] G. Schmidt. Investigating programs in terms of partial graphs. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 505–519. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [41] A. Schönhage. On the power of random access machines. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 520–529. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [42] R.L. Schwartz. An axiomatic treatment of algol 68 routines. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 530–545. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [43] A.L. Selman. P-selective sets, tally languages, and the behavior of polynomial time reducibilities on np . In H.A. Maurer, editor, *Proceedings of*

the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979), volume 71 of *LNCS*, pages 546–555. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.

- [44] R. Sethi and A. Tang. Constructing call-by-value continuation semantics. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 556–570. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [45] M.W. Shields and P.E. Lauer. A formal semantics for concurrent systems. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 571–584. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [46] S. Sippu and E. Soisalon-Soininen. On constructing ll(k) parsers. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 585–595. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [47] J.W. Thatcher, E.G. Wagner, and J.B. Wright. More on advice on structuring compilers and proving them correct. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 596–615. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [48] D. Thérien. Languages of nilpotent and solvable groups. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 616–632. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [49] J. Tiuryn. Unique fixed points vs. least fixed points. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Lan-*

guages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979), volume 71 of *LNCS*, pages 633–645. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.

- [50] E. Ukkonen. A modification of the lr(k) method for constructing compact bottom-up parsers. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 646–658. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [51] L. Ury. Optimal decomposition of linear automata. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 659–667. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [52] B. von Braunmühl and E. Hotzel. Supercounter machines. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 58–72. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.
- [53] L. Wegner. Bracketed two-level grammars - a decidable and practical approach to language definitions. In H.A. Maurer, editor, *Proceedings of the 6th International Colloquium on Automata, Languages and Programming, ICALP'79 (Graz, Austria, July 16-20, 1979)*, volume 71 of *LNCS*, pages 668–682. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong, 1979.