

Bibliography

- [Aan 92] S. Aanderaa, “A universal Turing machine”, *Computer Science Logic*, CSL '92, Springer-Verlag, Lect. Notes in Comput. Sci., V. 702, 1992, 1-4.
- [A-S 88] S. Aggarwal & K. Sabnani (eds.), *Protocol Specification, Testing, and Verification*, VIII, North-Holland, 1988, 421 pp.
- [AHU 74] A. V. Aho, J. E. Hopcroft & J. D. Ullman, *The Design and Analysis of Computer Algorithms*, Addison-Wesley, 1974, 470 pp.
- [ASU 88] A. V. Aho, R. Sethi & J. D. Ullman, *Compilers: principles, techniques, and tools*, Addison-Wesley, 1988, 796 pp.
- [Bac 59] J. W. Backus, “The syntax and semantics of the proposed international algebraic language of the Zurich ACM-GAMM conference”, Proc. Inter. Conf. on Information Processing, UNESCO, 1959, 125-132.
- [Ber 66] A. J. Bernstein, “Analysis of programs for parallel processing”, *IEEE Trans. EC-15*(1966), 757-763.
- [Bie 85] A. W. Biermann, “Automatic programming: a tutorial on formal methodologies”, *Jour. Symbolic Computation* 1(1985), 119-142.

[B-J 66] C. Bohm & G. Jacopini, “Flow diagrams, Turing machines, and languages with only two formation rules”, *Commun. ACM* 9, 5(May 1966).

[Cam 89] J. Cameron (ed.), JSP and JSD: the Jackson approach to software development, IEEE CS Press, 1989 (order no. 858-04T).

[Cho 59] N. Chomsky, “On certain formal properties of grammars”, *Inform. and Contr.* 2,2(1959), 137-167.

[D-J 90] P. Deransart & M. Jourdan (eds.), *Attribute grammars and their applications*, Springer-Verlag, Lect. Notes in Comput. Sci., V. 461, 1990, 358 pp.

[Eng 73] E. Engeler, *Introduction to the Theory of Computation*, Academic Press, 1973, 231 pp.

[Epp 90] S. S. Epp, *Discrete Mathematics with Applications*, Wadsworth Pub., 1990, 784 pp.

[F-G 79] E. P. Friedman & S. A. Greibach, “Monadic recursion schemes: the effect of constants”, *Jour. Comput. & Sys. Sci.* 18,3 (June 1979), 254-266.

[F-L 83] A. C. Fleck & R. S. Limaye, “Formal semantics and abstract properties of string pattern operations and extended formal language description mechanisms”, *SIAM Jour. on Computing* 12, 1 (Feb. 1983), 166-188.

[Fri 97] J. E. F. Friedl, *Mastering Regular Expressions*, O'Reilly, 1997, 342 pp.

[Fri 77] E. P. Friedman, “Equivalence problems for deterministic context-free languages and monadic recursion schemes”, *Jour. Comput. & Sys. Sci.* 14,3 (June 1977), 344-359.

[Gin 62] S. Ginsburg, *An Introduction to Mathematical Machine Theory*, Addison-Wesley, 1962, 148 pp.

[G-R 62] S. Ginsburg & H. G. Rice, “Two families of languages related to ALGOL”, *Jour. Assoc. Comput. Mach.* 9 (1962), 350-371.

[GJS 96] J. Gosling, B. Joy & G. L. Steele, *The Java Language Specification*, Addison-Wesley, 1996, 825 pp.

[Gre 85] S. A. Greibach, *Theory of Program Structures: Schemes, Semantics, Verification*, Springer-Verlag, Lect. Notes in Comput. Sci., V. 36, 1975 (2nd printing 1985), 364 pp.

[Har 80] D. Harel, “On folk theorems”, *Commun. ACM* 23, 7(July 1980), 379-388.

[Har 78] M. A. Harrison, *Introduction to Formal Language Theory*, Addison-Wesley, 1978, 594 pp.

[Has 78] K. Hashiguchi, “Algorithms for determining relative star height and star height”, *Inform. Comput.* 78(1978), 124-169.

[Hei 95] J. L. Hein, *Discrete Structures, Logic, and Computability*, Jones & Bartlett Pub., 1995, 866 pp.

[Hen 88] M. Hennessy, *Algebraic Theory of Processes*, MIT Press, 1988, 272 pp.

[Hen 77] F. Hennie, *Introduction to Computability Theory*, Addison-Wesley, 1977, 374 pp.

[Her 94] R. Herken (ed.), *The Universal Turing Machine: A Half-century Survey* (2nd ed.), Springer-Verlag, 1994.

[H-K 91] H. Harju & J. Karhumäki, “The equivalence problem of multitape finite automata”, *Theoretical Comput. Sci.* 78 (1991), 347-355.

[H-P 98] D. Harel & M. Politi, *Modeling Reactive Systems with Statecharts*, McGraw-Hill, 1998, 258 pp.

[H-U 79] J. E. Hopcroft & J. D. Ullman, *Introduction to Automata Theory, Languages, and Computation*, Addison-Wesley, 1979, 418 pp.

[IEE 93] IEEE/ANSI, Information Technology – Portable Operating System Interface – Part 2: Shell and Utilities, IEEE Computer Society 9945-2, 1993, 1328 pp.

[Imm 88] N. Immerman, “Nondeterministic-space is closed under complementation”, *SIAM Jour. on Computing* 17(1988), 935-938.

[ISO 87] “Estelle, a formal description technique based on an extended state transition model”, Int. Standards Org., ISO/SC21/WG1/FDT-B, DIS 9074, June 1987.

[KBR 96] B. Kolman, R. C. Busby & S. Ross, *Discrete Mathematical Structures*, Prentice-Hall, 1996, 524 pp.

[K-F 71] D. E. Knuth & R. W. Floyd, “Notes on avoiding 'goto' statements”, *Infor. Processing Letters* 1(1971), 23-31.

[KMP 77] D. E. Knuth, J. H. Morris & V. R. Pratt, “Fast pattern matching in strings”, *SIAM Jour. on Computing* 6(1977), 323-350.

[Knu 67] D. E. Knuth, “The remaining trouble spots in ALGOL 60”, *Commun. ACM* 10, 10(Oct. 1967), 611-617.

[Knu 68] D. E. Knuth, “Semantics of context-free languages”, *Math. Sys. Theory* 2, 2 (1968), 127-145.

[Koz 94] D. C. Kozen, “A completeness theorem for Kleene algebras and the algebra of regular events”, *Infor. and Comput.* 110 (1994), 366-390.

[KPS 93] D. Kozen, J. Palsberg & M. I. Schwartzberg, “Efficient recursive subtyping”, 20th ACM Symp. on Principles of Programming Languages, 1993.

[Kur 64] S. Y. Kuroda, “Classes of languages and linear-bounded automata”, *Information and Control* 7(1964), 207-233.

- [Lan 92] W. Landi, “Undecidability of static analysis”, *ACM Letters on Prog. Lang. & Sys.* 1,4(Dec. 1992), 323-337.
- [M-W 92] Z. Manna & R. Waldinger, “Fundamentals of deductive program synthesis”, *IEEE Trans. on Software Engineering* 18(1992), 674-704.
- [Mar 54] A. A. Markov, *Theory of Algorithms*, Academy of Sciences of the USSR, Works of the Mathematical Institute, Vol. 42, 1954; English translation (from Russian) published for the National Science Foundation and the Department of Commerce, 444 pp.
- [Mat 63] G. H. Matthews, “Discontinuity and asymmetry in phrase structure grammars”, *Inform. and Contr.* 6(1963), 137-146.
- [Min 67] M. L. Minsky, *Computation: finite and infinite machines*, Prentice-Hall, 1967, 317 pp.
- [Moo 56] E. F. Moore, “Gedanken-experiments on sequential machines”, *Automata Studies*, Princeton Univ. Press, 1956, 129-153.
- [Oet 61] A. G. Oettinger, “Automatic syntactic analysis and the pushdown store”, Proc. Symp. on Applied Math., V. XII, Amer. Math. Society, 1961, 104-129.
- [Paz 71] A. Paz, *Introduction to Probabilistic Automata*, Academic Press, 1971, 228 pp.
- [Per 90] D. Perrin, “Finite automata”, *Handbook of Theoretical Computer Science, Vol. B: Formal Models and Semantics* (J. van Leeuwen, ed.), MIT Press, 1990, 2-57.
- [R-S 59] M. O. Rabin & D. Scott, “Finite automata and their decision problems”, *IBM Jour. Res. & Dev.* 3 (1959), 114-125.
- [Rad 62] T. Rado, “On a simple source for non-computable functions”, in *Mathematical Theory of Automata*, Polytechnic Press, John Wiley, 1962, 75-82.

- [Ram 94] G. Ramalingam, “The undecidability of aliasing”, *ACM Trans. on Prog. Lang. & Sys.* 16,5 (Sept. 1994), 1467-1471.
- [Sal 69] A. Salomaa, *Theory of Automata*, Pergamon Press, 1969, 263 pp.
- [Smi 71] A. R. Smith III, “Simple computation-universal cellular spaces”, *Jour. ACM* 18,3 (July 1971), 339-353.
- [Sup 72] P. Suppes, *Axiomatic Set Theory*, Dover Pub., 1972, 267 pp.
- [Sze 88] R. Szelepsenyi, “The method of forced enumeration for nondeterministic automata”, *Acta Informatica* 26 (1988), 279-284.
- [Tär 77] S. Tärlund, “Horn clause computability”, *BIT* 17 (1977), 215-226.
- [Tha 73] J. W. Thatcher, “Tree automata: an informal survey”, in *Currents in the Theory of Computing* (A. V. Aho, ed.), Prentice-Hall, 1973, 143-172.
- [Tur 36] A. M. Turing, “On computable numbers, with an application to the Entscheidungsproblem”, *Proc. London Math. Soc.* 2-42 (1936), 230-265.
- [Wat 97] B. A. Watson, “Fire Lite: FAs and REs in C++”, *Automata Implementation* (D. Raymond, D. Wood & S. Yu, eds.), Springer-Verlag, Lect. Notes in Comput. Sci., V. 1260, 1997, 167-188.
- [You 67] D. H. Younger, “Recognition and parsing of context-free languages in time n^3 ”, *Inform. and Contr.* 10,2 (1967), 189-208.

