

## References

- [1] J. Adámek and E. Nelson. Separately continuous algebras. *Theor. Comput. Sci.*, 27(1,2):225–231, 1983.
- [2] A. Apostolico and F.P. Preparata. Optimal off-line detection of repetitions in a string. *Theor. Comput. Sci.*, 22(3):297–315, 1983.
- [3] A. Arnold. Rational  $\omega$ -languages are non-ambiguous. *Theor. Comput. Sci.*, 26(1,2):221–223, 1983.
- [4] R.J.R. Back. A continuous semantics for unbounded nondeterminism. *Theor. Comput. Sci.*, 23(2):187–210, 1983.
- [5] A. Bagchi and A. Mahanti. Admissible heuristic search in and/or graphs. *Theor. Comput. Sci.*, 24(2):207–219, 1983.
- [6] W. Baur and V. Strassen. The complexity of partial derivatives. *Theor. Comput. Sci.*, 22(3):317–330, 1983.
- [7] J.A. Bergstra and J.V. Tucker. Hoare’s logic and peano’s arithmetic. *Theor. Comput. Sci.*, 22(3):265–284, 1983.
- [8] N. Blum. More on the power of chain rules in context-free grammars. *Theor. Comput. Sci.*, 27(3):287–295, 1983.
- [9] R.V. Book. Decidable sentences of church-rosser congruences. *Theor. Comput. Sci.*, 24(3):301–312, 1983.
- [10] G. Boudol and L. Kott. Recursion induction principle revisited. *Theor. Comput. Sci.*, 22(1,2):135–173, 1983.
- [11] S. Bozapalidis and O. Louscou-Bozapalidou. The rank of a formal tree power series. *Theor. Comput. Sci.*, 27(1,2):211–215, 1983.
- [12] F.-J. Brandenburg. Uniformly growing k-th power-free homomorphisms. *Theor. Comput. Sci.*, 23(1):69–82, 1983.
- [13] W. Bucher and J. Hagauer. It is decidable whether a regular language is pure context-free. *Theor. Comput. Sci.*, 26(1,2):233–241, 1983.
- [14] J. Case and C. Smith. Comparison of identification criteria for machine inductive inference. *Theor. Comput. Sci.*, 25(2):193–220, 1983.

- [15] T.-H. Chan and O.H. Ibarra. On the finite-valuedness problem for sequential machines. *Theor. Comput. Sci.*, 23(1):95–101, 1983.
- [16] B. Chazelle and L. Monier. Unbounded hardware is equivalent to deterministic turing machines. *Theor. Comput. Sci.*, 24(2):123–130, 1983.
- [17] B. Courcelle. Fundamental properties of infinite trees. *Theor. Comput. Sci.*, 25(2):95–169, 1983.
- [18] K. Culik II, J. Gruska, and A. Salomaa. On a family of  $l$  languages resulting from systolic tree automata. *Theor. Comput. Sci.*, 23(3):231–242, 1983.
- [19] R.P. Daley. On the error correcting power of pluralism in bc-type inductive inference. *Theor. Comput. Sci.*, 24(1):95–104, 1983.
- [20] J.W. de Bakker, J.-J.Ch. Meyer, and J.I. Zucker. On infinite computations in denotational semantics. *Theor. Comput. Sci.*, 26(1,2):53–82, 1983. see Corrigendum in *Theor. Comput. Sci.* 29, 229-230.
- [21] A. de Luca, A. Restivo, and S. Salemi. On the centers of a language. *Theor. Comput. Sci.*, 24(1):21–34, 1983.
- [22] D.P. Dobkin and D.G. Kirkpatrick. Fast detection of polyhedral intersection. *Theor. Comput. Sci.*, 27(3):241–253, 1983.
- [23] P. Dúriš and J. Hromkovič. One-way simple multihead finite automata are not closed under concatenation. *Theor. Comput. Sci.*, 27(1,2):121–125, 1983.
- [24] A. Ehrenfeucht, D. Haussler, and G. Rozenberg. On regularity of context-free languages. *Theor. Comput. Sci.*, 27(3):311–332, 1983.
- [25] H.-D. Ehrich and U. Lipeck. Algebraic domain equations. *Theor. Comput. Sci.*, 27(1,2):167–196, 1983.
- [26] H. Ehrig and H.-J. Kreowsky. Compatibility of parameter passing and implementation of parameterized data types. *Theor. Comput. Sci.*, 27(3):255–286, 1983.
- [27] G.S. Eisman. On depth in edtol languages. *Theor. Comput. Sci.*, 23(2):155–169, 1983.

- [28] E.A. Emerson. Alternative semantics for temporal logics. *Theor. Comput. Sci.*, 26(1,2):121–130, 1983.
- [29] T. Etzion and M. Yoeli. Super-nets and their hierarchy. *Theor. Comput. Sci.*, 23(3):243–272, 1983.
- [30] J. Finn and K. Leiberherr. Primality testing and factoring. *Theor. Comput. Sci.*, 23(2):211–215, 1983.
- [31] P.C. Fischer, J.H. Jou, and D.-M. Tsou. Succinctness in dependency systems. *Theor. Comput. Sci.*, 24(3):323–329, 1983.
- [32] R. Freund. Real functions and numbers defined by turing machines. *Theor. Comput. Sci.*, 23(3):287–304, 1983.
- [33] P. Gács. On the relation between descriptive complexity and algorithmic probability. *Theor. Comput. Sci.*, 22(1,2):71–93, 1983.
- [34] E. Gelenbe. Stationary deterministic flows in discrete systems i. *Theor. Comput. Sci.*, 23(2):107–127, 1983.
- [35] S. Ginsburg and R. Hull. Characterizations for functional dependency and boyce-codd normal form families. *Theor. Comput. Sci.*, 26(3):243–286, 1983.
- [36] S. Ginsburg and R. Hull. Order dependency in the relational model. *Theor. Comput. Sci.*, 26(1,2):149–195, 1983.
- [37] D. Gordon and E. Shamir. Computation of recursive functionals using minimal initial segments. *Theor. Comput. Sci.*, 23(3):305–315, 1983.
- [38] J.J. Grefenstette. Stability in l systems. *Theor. Comput. Sci.*, 24(1):53–71, 1983. see Corrigendum in *Theor. Comput. Sci.* 28, 347.
- [39] J.Y. Halpern and J.H. Reif. The propositional dynamic logic of deterministic, well-structured programs. *Theor. Comput. Sci.*, 27(1,2):127–165, 1983.
- [40] J. Hartmanis. On gödel speed-up and succinctness of language representations. *Theor. Comput. Sci.*, 26(3):335–342, 1983.

- [41] T. Head, G. Thierrin, and J. Wilkinson. Dol schemes and the periodicity of string embeddings. *Theor. Comput. Sci.*, 23(1):83–89, 1983.
- [42] E.C.R. Hehner and C.A.R. Hoare. A more complete model of communicating processes. *Theor. Comput. Sci.*, 26(1,2):105–120, 1983.
- [43] S. Heilbrunner. A metatheorem for undecidable properties of formal languages and its application to lrr and llr grammars and languages. *Theor. Comput. Sci.*, 23(1):49–68, 1983.
- [44] J. Heintz. Definability and fast quantifier elimination in algebraically closed fields. *Theor. Comput. Sci.*, 24(3):239–277, 1983. see Corrigendum in *Theor. Comput. Sci.* 39, 343.
- [45] R. Hindley. The completeness theorem for typing  $\lambda$ -terms. *Theor. Comput. Sci.*, 22(1,2):1–17, 1983.
- [46] R. Hindley. Curry’s type-rules are complete with respect to the semantics too. *Theor. Comput. Sci.*, 22(1,2):127–133, 1983.
- [47] S. Homer and W. Maass. Oracle-dependent properties of the lattice of np sets. *Theor. Comput. Sci.*, 24(3):279–289, 1983.
- [48] H.B. Hunt III and D.J. Rosenkrantz. The complexity of monadic recursion schemes: Executability problems, nesting depth and applications. *Theor. Comput. Sci.*, 27(1,2):3–38, 1983.
- [49] O.H. Ibarra. On some decision questions concerning pushdown machines. *Theor. Comput. Sci.*, 24(3):313–322, 1983.
- [50] O.H. Ibarra, S. Moran, and L.E. Rosier. On the control power of integer division. *Theor. Comput. Sci.*, 24(1):35–52, 1983.
- [51] O.H. Ibarra and L.E. Rosier. Simple programming languages and restricted classes of turing machines. *Theor. Comput. Sci.*, 26(1,2):197–220, 1983.
- [52] K. Inoue, I. Takanami, and H. Taniguchi. A relationship between two-dimensional finite automata and three-way tape-bounded two-dimensional alternating turing machines. *Theor. Comput. Sci.*, 24(3):331–336, 1983.

- [53] K. Inoue, I. Takanami, and H. Taniguchi. Two-dimensional alternating turing machines. *Theor. Comput. Sci.*, 27(1,2):61–83, 1983.
- [54] S. Istrail and C. Masalagiu. Nivat’s processing systems: Decision problems related to protection and synchronization. *Theor. Comput. Sci.*, 26(1,2):83–102, 1983.
- [55] M. Ito, K. Taniguchi, and T. Kasami. Membership problem for embedded multivalued dependencies under some restricted conditions. *Theor. Comput. Sci.*, 22(1,2):175–194, 1983.
- [56] A. Jankowski and C. Rauszer. Logical foundation approach to users’ domain restriction in data bases. *Theor. Comput. Sci.*, 23(1):11–36, 1983.
- [57] T. Kamimura and A. Tang. Algebraic relations and presentations. *Theor. Comput. Sci.*, 27(1,2):39–60, 1983.
- [58] T. Kamimura and A. Tang. Kleene chain completeness and fixedpoint properties. *Theor. Comput. Sci.*, 23(3):317–331, 1983.
- [59] A.J. Kfoury. Definability by programs in first-order structures. *Theor. Comput. Sci.*, 25(1):1–66, 1983.
- [60] E.B. Kinber. The inclusion problem for some classes of deterministic multitape automata. *Theor. Comput. Sci.*, 26(1,2):1–24, 1983.
- [61] D. Kozen. Results on the propositional  $\mu$ -calculus. *Theor. Comput. Sci.*, 27(3):333–354, 1983.
- [62] W. Kuich and F.J. Urbanek. Infinite linear systems and one counter languages. *Theor. Comput. Sci.*, 22(1,2):95–126, 1983.
- [63] D.T. Lee, C.L. Liu, and C.K. Wong.  $(g_0, g_1, \dots, g_k)$ -trees and unary ol systems. *Theor. Comput. Sci.*, 22(1,2):209–217, 1983. see Corrigendum in *Theor. Comput. Sci.* 23, 347.
- [64] A. Lempel, G. Seroussi, and S. Winograd. On the complexity of multiplication in finite fields. *Theor. Comput. Sci.*, 22(3):285–296, 1983.
- [65] G. Lev and L.G. Valiant. Size bounds for superconcentrators. *Theor. Comput. Sci.*, 22(3):233–251, 1983.

- [66] G. Lotti and F. Romani. On the asymptotic complexity of rectangular matrix multiplication. *Theor. Comput. Sci.*, 23(2):171–185, 1983.
- [67] A. Marchetti-Spaccamela and M. Protasi. The largest tree in a random graph. *Theor. Comput. Sci.*, 23(3):273–286, 1983.
- [68] A. Maruoka. Open maps for tessellation automata. *Theor. Comput. Sci.*, 27(1,2):217–224, 1983.
- [69] H.A. Maurer, A. Salomaa, and D. Wood. L codes and number systems. *Theor. Comput. Sci.*, 22(3):331–346, 1983.
- [70] R. Milner. Calculi for synchrony and asynchrony. *Theor. Comput. Sci.*, 25(3):267–310, 1983.
- [71] A. Nakamura and K. Aizawa. On a relationship between graph l-systems and picture languages. *Theor. Comput. Sci.*, 24(2):161–177, 1983.
- [72] A. Nakamura and H. Ono. Pictures of functions and their acceptability by automata. *Theor. Comput. Sci.*, 23(1):37–48, 1983.
- [73] K.K. Nambiar, T. Radhakrishnan, and V.G. Tikekar. Representation of functional dependencies in relational databases using linear graphs. *Theor. Comput. Sci.*, 24(2):143–159, 1983.
- [74] E. Nelson. Iterative algebras. *Theor. Comput. Sci.*, 25(1):67–94, 1983.
- [75] A. Nijholt. On satisfying the ll-iteration theorem. *Theor. Comput. Sci.*, 23(1):91–94, 1983.
- [76] C. O’Dúnlaing. Infinite regular thue systems. *Theor. Comput. Sci.*, 25(2):171–192, 1983.
- [77] C. O’Dúnlaing. Undecidable questions related to church-rosser thue systems. *Theor. Comput. Sci.*, 23(3):339–345, 1983.
- [78] E.-R. Olderog. On the notion of expressiveness and the rule of adaption. *Theor. Comput. Sci.*, 24(3):337–347, 1983.
- [79] J. Pittl and A. Yehudai. Constructing a realtime deterministic push-down automaton from a grammar. *Theor. Comput. Sci.*, 22(1,2):57–69, 1983.

- [80] L. Priese. Automata and concurrency. *Theor. Comput. Sci.*, 25(3):221–265, 1983.
- [81] V. Rajlich. Determinism in parallel systems. *Theor. Comput. Sci.*, 26(1,2):225–231, 1983.
- [82] P.V. Ramanan. A counterexample of shyamasundar’s characterization of pushdown permuters. *Theor. Comput. Sci.*, 23(1):103–105, 1983.
- [83] G. Rozenberg and R. Verraedt. Subset languages of petri nets. part i: The relationship to string languages and normal forms. *Theor. Comput. Sci.*, 26(3):301–326, 1983.
- [84] G. Rozenberg and R. Verraedt. Subset languages of petri nets part ii: Closure properties. *Theor. Comput. Sci.*, 27(1,2):85–108, 1983.
- [85] M. Sato. Theory of symbolic expressions, i. *Theor. Comput. Sci.*, 22(1,2):19–55, 1983.
- [86] D.A. Schmidt. Approximation properties of abstract data types. *Theor. Comput. Sci.*, 24(1):73–94, 1983.
- [87] R. Siromoney, V.R. Dare, and K.G. Subramanian. Infinite arrays and infinite computations. *Theor. Comput. Sci.*, 24(2):195–205, 1983.
- [88] M.B. Smyth. The largest cartesian closed category of domains. *Theor. Comput. Sci.*, 27(1,2):109–119, 1983.
- [89] N. Soundararajan. Correctness proofs of csp programs. *Theor. Comput. Sci.*, 24(2):131–141, 1983.
- [90] J. Staples and V.L. Nguyen. Computing the behaviour of asynchronous processes. *Theor. Comput. Sci.*, 26(3):343–353, 1983.
- [91] M. Steinby. Systolic trees and systolic language recognition by tree automata. *Theor. Comput. Sci.*, 22(1,2):219–232, 1983.
- [92] A.P. Stolboushkin and M.A. Taitlin. The comparison of the expressive power of first-order dynamic logics. *Theor. Comput. Sci.*, 27(1,2):197–209, 1983.

- [93] J.A. Storer. Toward an abstract theory of data compression. *Theor. Comput. Sci.*, 24(3):221–237, 1983.
- [94] I.H. Sudborough. Bandwidth constraints on problems complete for polynomial time. *Theor. Comput. Sci.*, 26(1,2):25–52, 1983.
- [95] M. Takahashi. Nest sets and relativized closure properties. *Theor. Comput. Sci.*, 22(3):253–264, 1983.
- [96] M. Takahashi and H. Yamasaki. A note on  $\omega$ -regular languages. *Theor. Comput. Sci.*, 23(2):217–225, 1983.
- [97] C.-J. Tang and Y.-L. Zhang. The limited regular languages. *Theor. Comput. Sci.*, 23(1):1–10, 1983.
- [98] R.D. Tennent. Semantics of interference control. *Theor. Comput. Sci.*, 27(3):297–310, 1983.
- [99] M. Toda, K. Inoue, and I. Takanami. Two-dimensional pattern matching by two-dimensional on-line tessellation acceptors. *Theor. Comput. Sci.*, 24(2):179–194, 1983.
- [100] E. Tomita. A direct branching algorithm for checking equivalence of strict deterministic vs.  $ll(k)$  grammars. *Theor. Comput. Sci.*, 23(2):129–154, 1983.
- [101] R. Valk. Infinite behaviour of petri nets. *Theor. Comput. Sci.*, 25(3):311–341, 1983.
- [102] Umesh V. Vazirani and Vijay V. Vazirani. A natural encoding scheme proved probabilistic polynomial complete. *Theor. Comput. Sci.*, 24(3):291–300, 1983.
- [103] H. Volger. Turing machines with linear alternation, theories of bounded concatenation and the decision problem of first-order theories. *Theor. Comput. Sci.*, 23(3):333–337, 1983.
- [104] G.W. Wasilkowski. Any iteration for polynomial equations using linear information has infinite complexity. *Theor. Comput. Sci.*, 22(1,2):195–208, 1983.



- [105] O. Watanabe. The time-precision tradeoff problem on on-line probabilistic turing machines. *Theor. Comput. Sci.*, 24(1):105–117, 1983.
- [106] H. Wedde. An iterative and starvation-free solution for a general class of distributed control problems based on interaction primitives. *Theor. Comput. Sci.*, 24(1):1–20, 1983.
- [107] K. Weihrauch and G. Schäfer. Admissible representations of effective cpo's. *Theor. Comput. Sci.*, 26(1,2):131–147, 1983.
- [108] C.K. Yap. Some consequences of non-uniform conditions on uniform classes. *Theor. Comput. Sci.*, 26(3):287–300, 1983.
- [109] S. Zák. A turing machine time hierarchy. *Theor. Comput. Sci.*, 26(3):327–333, 1983.