

References

- [1] James Abello and Shlomi Dolev. On the computational power of self-stabilizing systems. *Theor. Comput. Sci.*, 182(1-2):159–170, 1997.
- [2] Yehuda Afek, Shay Kutten, and Moti Yung. The local detection paradigm and its applications to self-stabilization. *Theor. Comput. Sci.*, 186(1-2):199–229, 1997.
- [3] Farid Ajili and Evelyne Contejean. Avoiding slack variables in the solving of linear diophantine equations and inequations. *Theor. Comput. Sci.*, 173(1):183–208, 1997.
- [4] Suad Alagić and Mara Alagić. Order-sorted model theory for temporal executable specifications. *Theor. Comput. Sci.*, 179(1-2):273–299, 1997.
- [5] David Albrecht, John N. Crossley, and John S. Jeavons. New curry-howard terms for full linear logic. *Theor. Comput. Sci.*, 185(2):217–235, 1997.
- [6] J.-P. Allouche, F. von Haeseler, H.-O. Peitgen, A. Petersen, and G. Skordev. Automaticity of double sequences generated by one-dimensional linear cellular automata. *Theor. Comput. Sci.*, 188(1-2):195–209, 1997.
- [7] Klaus Ambos-Spies, Sebastiaan A. Terwijn, and Xizhong Zheng. Resource bounded randomness and weakly complete problems. *Theor. Comput. Sci.*, 172(1-2):195–207, 1997.
- [8] Beatrice Amrhein, Oliver Gloor, and Wolfgang Küchlein. On the walk. *Theor. Comput. Sci.*, 187(1-2):179–202, 1997.
- [9] S.O. Anderson and A.J. Power. A representable approach to finite nondeterminism. *Theor. Comput. Sci.*, 177(1):3–25, 1997.
- [10] Alexander E. Andreev, Andrea E.F. Clementi, and José D.P. Rolim. Optimal bounds for the approximation of boolean functions and some applications. *Theor. Comput. Sci.*, 180(1-2):243–268, 1997.
- [11] James Andrews. A logical semantics for depth-first prolog with ground negation. *Theor. Comput. Sci.*, 184(1-2):105–143, 1997.

- [12] B. Apolloni and S. Chiaravalli. Pac learning of concept classes through the boundaries of their items. *Theor. Comput. Sci.*, 172(1-2):91–120, 1997.
- [13] Hiroki Arimura, Hiroki Ishizaka, and Takeshi Shinohara. Learning unions of tree patterns using queries. *Theor. Comput. Sci.*, 185(1):47–62, 1997.
- [14] Sanjeev Arora and Ronald Fagin. On winning strategies in ehrenfeucht-fraïssé games. *Theor. Comput. Sci.*, 174(1-2):97–121, 1997.
- [15] V. Arvind and N.V. Vinodchandran. Solvable black-box group problems are low for pp . *Theor. Comput. Sci.*, 180(1-2):17–45, 1997.
- [16] Tetsuo Asano, Desh Ranjan, Thomas Roos, Emo Welzl, and Peter Widmayer. Space-filling curves and their use in the design of geometric data structures. *Theor. Comput. Sci.*, 181(1):3–15, 1997.
- [17] M.D. Atkinson, M.J. Livesey, and D. Tulley. Permutations generated by token passing in graphs. *Theor. Comput. Sci.*, 178(1-2):103–118, 1997.
- [18] M.D. Atkinson and D. Tulley. Bounded capacity priority queues. *Theor. Comput. Sci.*, 182(1-2):145–157, 1997.
- [19] Peter Auer. Learning nested differences in the presence of malicious noise. *Theor. Comput. Sci.*, 185(1):159–175, 1997.
- [20] Giorgio Ausiello and Roberto Giaccio. On-line algorithms for satisfiability problems with uncertainty. *Theor. Comput. Sci.*, 171(1-2):3–24, 1997.
- [21] Eric Badouel, Luca Bernardinello, and Philippe Darondeau. The synthesis problem for elementary net systems is np -complete. *Theor. Comput. Sci.*, 186(1-2):107–134, 1997.
- [22] J.C.M. Baeten and J.A. Bergstra. Process algebra with propositional signals. *Theor. Comput. Sci.*, 177(2):381–405, 1997.
- [23] Vineet Bafna, Eugene L. Lawler, and Pavel A. Pevzner. Approximation algorithms for multiple sequence alignment. *Theor. Comput. Sci.*, 182(1-2):233–244, 1997.

- [24] Christel Baier. Trees and semantics. *Theor. Comput. Sci.*, 179(1-2):217–250, 1997.
- [25] Frédérique Bassino. Nonnegative companion matrices and star-height of n -rational series. *Theor. Comput. Sci.*, 180(1-2):61–80, 1997.
- [26] Frank Bauernöppel, Evangelos Kranakis, Danny Krizanc, Anil Maheshwari, Jörg-Rüdiger Sack, and Jorge Urrutia. Planar stage graphs: Characterizations and applications. *Theor. Comput. Sci.*, 175(2):239–255, 1997.
- [27] Jay Belanger and Jie Wang. No np problems averaging over ranking of distributions are harder. *Theor. Comput. Sci.*, 181(2):229–245, 1997.
- [28] Anne Bergeron. On the rational behaviors of concurrent timers. *Theor. Comput. Sci.*, 189(1-2):229–237, 1997.
- [29] Chantal Berline and Klaus Grue. A κ -denotational semantics for map theory in zfc+si. *Theor. Comput. Sci.*, 179(1-2):137–202, 1997. see Addendum in *Theor. Comput. Sci.* 211, 397-398.
- [30] Piotr Berman and Andrzej Lingas. A nearly optimal parallel algorithm for the voronoi diagram of a convex polygon. *Theor. Comput. Sci.*, 174(1-2):193–202, 1997.
- [31] Laurent Bernardin. On square-free factorization of multivariate polynomials over a finite field. *Theor. Comput. Sci.*, 187(1-2):105–116, 1997.
- [32] Jean Berstel and Aldo de Luca. Sturmian words, lyndon words and trees. *Theor. Comput. Sci.*, 178(1-2):171–203, 1997.
- [33] Marc Bezem and Alban Ponse. Two finite specifications of a queue. *Theor. Comput. Sci.*, 177(2):487–507, 1997.
- [34] Nikolaj Bjørner, Anca Browne, and Zohar Manna. Automatic generation of invariants and intermediate assertions. *Theor. Comput. Sci.*, 173(1):49–87, 1997.
- [35] Stephen L. Bloom and Zoltán Ésik. The equational logic of fixed points. *Theor. Comput. Sci.*, 179(1-2):1–60, 1997.

- [36] Patrick Bosc, Diedier Dubois, Olivier Pivert, and Henri Prade. Flexible queries in relational databases — the example of the division operator. *Theor. Comput. Sci.*, 171(1-2):281–302, 1997.
- [37] Vincent Bouchitté and Jean-Xavier Rampon. On-line algorithms for orders. *Theor. Comput. Sci.*, 175(2):225–238, 1997.
- [38] Luc Bougé, David Cachera, Yann le Guyadec, Gil Utard, and Bernard Virot. Formal validation of data-parallel programs: A two-component assertional proof system for a simple language. *Theor. Comput. Sci.*, 189(1-2):71–107, 1997.
- [39] Felipe Bracho, Manfred Droste, and Dietrich Kuske. Representation of computations in concurrent automata by dependence orders. *Theor. Comput. Sci.*, 174(1-2):67–96, 1997.
- [40] Andreas Brandstädt, Feodor F. Dragan, and Falk Nicolai. Homogeneously orderable graphs. *Theor. Comput. Sci.*, 172(1-2):209–232, 1997.
- [41] Torben Braüner. A general adequacy result for a linear functional language. *Theor. Comput. Sci.*, 177(1):27–58, 1997.
- [42] Patrice Brémond-Grégoire and Insup Lee. A process algebra of communicating shared resources with dense time and priorities. *Theor. Comput. Sci.*, 189(1-2):179–219, 1997.
- [43] Antonio Brogi, Evelina Lamma, Paolo Mancarella, and Paola Mello. A unifying view for logic programming with non-monotonic reasoning. *Theor. Comput. Sci.*, 184(1-2):1–59, 1997.
- [44] A. Browne, E.M. Clarke, S. Jha, D.E. Long, and W. Marrero. An improved algorithm for the evaluation of fixpoint expressions. *Theor. Comput. Sci.*, 178(1-2):237–255, 1997.
- [45] Véronique Bruyère and Georges Hansel. Bertrand numeration systems and recognizability. *Theor. Comput. Sci.*, 181(1):17–43, 1997.
- [46] Antonio Bucciarelli. Degrees of parallelism in the continuous type hierarchy. *Theor. Comput. Sci.*, 177(1):59–71, 1997.

- [47] Hans-Dieter Burkhard. Fairness and control in multi-agent systems. *Theor. Comput. Sci.*, 189(1-2):109–127, 1997.
- [48] P. Burmeister, F. Rosselló, J. Torrens, and G. Valiente. Algebraic transformation of unary partial algebras — i. double-pushout approach. *Theor. Comput. Sci.*, 184(1-2):145–193, 1997.
- [49] Marco Cadoli, Francesco M. Donini, Marco Schaerf, and Riccardo Silvestri. On compact representations of propositional circumscription. *Theor. Comput. Sci.*, 182(1-2):183–202, 1997.
- [50] Jacques Calmet and Karsten Homann. Towards the mathematics software bus. *Theor. Comput. Sci.*, 187(1-2):221–230, 1997.
- [51] Alain Carrière and Louis-Rémi Oudin. Applications du calcul formel à la balistique. *Theor. Comput. Sci.*, 187(1-2):263–284, 1997.
- [52] Giuseppe Castagna. Unifying overloading and λ -abstraction: $\lambda^{\{ \}}$. *Theor. Comput. Sci.*, 176(1-2):337–345, 1997.
- [53] Ilaria Castellani and Guo-Qiang Zhang. Parallel product of event structures. *Theor. Comput. Sci.*, 179(1-2):203–215, 1997.
- [54] G. Cattaneo and C. Quaranta Vogliotti. The “magic” rule spaces of neural-like elementary cellular automata. *Theor. Comput. Sci.*, 178(1-2):77–102, 1997.
- [55] Maura Cerioli and José Meseguer. May I borrow your logic? (transporting logical structures along maps. *Theor. Comput. Sci.*, 173(2):311–347, 1997.
- [56] Anton Černý. On sequences resulting from iteration of modified quadratic and palindromic mappings. *Theor. Comput. Sci.*, 188(1-2):161–174, 1997.
- [57] Chia-Hsiang Chang and Robert Paige. From regular expressions to dfa’s using compressed nfa’s. *Theor. Comput. Sci.*, 178(1-2):1–36, 1997.
- [58] Philippe Chatalic, Christine Froidevaux, and Camilla Schwind. Graded hypothesis theories. *Theor. Comput. Sci.*, 171(1-2):247–280, 1997.

- [59] Shiva Chaudhuri and Devdatt Dubhashi. Probabilistic recurrence relations revisited. *Theor. Comput. Sci.*, 181(1):45–56, 1997.
- [60] Jianer Chen. Algorithmic graph embeddings. *Theor. Comput. Sci.*, 181(2):247–266, 1997.
- [61] Zhixiang Chen and Steven Homer. Learning counting functions with queries. *Theor. Comput. Sci.*, 180(1-2):155–168, 1997.
- [62] Allan Cheng. Petri nets, traces, and local model checking. *Theor. Comput. Sci.*, 183(2):229–251, 1997.
- [63] G. Chiola, C. Dutheillet, G. Franceschinis, and S. Haddad. A symbolic reachability graph for coloured petri nets. *Theor. Comput. Sci.*, 176(1-2):39–65, 1997.
- [64] C. Choffrut, T. Harju, and J. Karhumäki. A note on decidability questions on presentations of word semigroups. *Theor. Comput. Sci.*, 183(1):83–92, 1997.
- [65] Serafino Cicerone and Francesco Parisi-Presicce. On the complexity of specification morphisms. *Theor. Comput. Sci.*, 189(1-2):239–248, 1997.
- [66] P. Clote. Nondeterministic stack register machines. *Theor. Comput. Sci.*, 178(1-2):37–76, 1997.
- [67] J.R.B. Cockett and David A. Spooner. Constructing process categories. *Theor. Comput. Sci.*, 177(1):73–109, 1997.
- [68] Bruno Codenotti, Biswa N. Datta, Karabi Datta, and Mauro Leoncini. Parallel algorithms for certain matrix computations. *Theor. Comput. Sci.*, 180(1-2):287–308, 1997.
- [69] Pierre Collette and Edgar Knapp. A foundation for modular reasoning about safety and progress properties of state-based concurrent programs. *Theor. Comput. Sci.*, 183(2):253–279, 1997.
- [70] Hubert Comon and Ralf Treinen. The first-order theory of lexicographic path orderings is undecidable. *Theor. Comput. Sci.*, 176(1-2):67–87, 1997.

- [71] Gerardo Costa and Gianna Reggio. Specification of abstract dynamic-data types: A temporal logic approach. *Theor. Comput. Sci.*, 173(2):513–554, 1997.
- [72] Zbigniew J. Czech, George Havas, and Bohdan S. Majewski. Perfect hashing. *Theor. Comput. Sci.*, 182(1-2):1–143, 1997.
- [73] Mads Dam. On the decidability of process equivalences for the π -calculus. *Theor. Comput. Sci.*, 183(2):215–228, 1997.
- [74] Peter Damaschke. An optimal parallel algorithm for digital curve segmentation. *Theor. Comput. Sci.*, 178(1-2):225–236, 1997.
- [75] Pedro R. D’Argenio and Chris Verhoef. A general conservative extension theorem in process algebras with inequalities. *Theor. Comput. Sci.*, 177(2):351–380, 1997.
- [76] Jüren Dassow and Victor Mitrana. Cooperation in context-free grammars. *Theor. Comput. Sci.*, 180(1-2):353–361, 1997.
- [77] René David and Karim Nour. A syntactical proof of the operational equivalence of two λ -terms. *Theor. Comput. Sci.*, 180(1-2):371–375, 1997.
- [78] Celina M.H. de Figueiredo, João Meidanis, and Célia Picinin de Mello. On edge-colouring indifference graphs. *Theor. Comput. Sci.*, 181(1):91–106, 1997.
- [79] W.A. de Graaf. An algorithm for the decomposition of semisimple lie algebras. *Theor. Comput. Sci.*, 187(1-2):117–122, 1997.
- [80] Colin de la Higuera and Lhouari Nourine. Drawing and encoding two-dimensional posets. *Theor. Comput. Sci.*, 175(2):293–308, 1997.
- [81] Aldo de Luca. Standard sturmian morphisms. *Theor. Comput. Sci.*, 178(1-2):205–224, 1997.
- [82] Aldo de Luca. Sturmian words: Structure, combinatorics, and their arithmetics. *Theor. Comput. Sci.*, 183(1):45–82, 1997.
- [83] Rina Dechter and Peter van Beek. Local and global relational consistency. *Theor. Comput. Sci.*, 173(1):283–308, 1997.

- [84] Nick D. Dendris, Lefteris M. Kirousis, and Dimitrios M. Thilikos. Fugitive-search games on graphs and related parameters. *Theor. Comput. Sci.*, 172(1-2):233–254, 1997.
- [85] Josep Díaz, Alan Gibbons, Grammati E. Pantziou, Maria J. Serna, Paul G. Spirakis, and Jacobo Toran. Parallel algorithms for the minimum cut and the minimum length tree layout problems. *Theor. Comput. Sci.*, 181(2):267–287, 1997.
- [86] Henk Doornbos, Roland Backhouse, and Jaap van der Woude. A calculational approach to mathematical induction. *Theor. Comput. Sci.*, 179(1-2):103–135, 1997.
- [87] Ivo Düntsch. A logic for rough sets. *Theor. Comput. Sci.*, 179(1-2):427–436, 1997.
- [88] Peter Dybjer. Representing inductively defined sets by wellorderings in martin-löf’s type theory. *Theor. Comput. Sci.*, 176(1-2):329–335, 1997.
- [89] Jeff Edmonds. Removing ramsey theory: Lower bounds with smaller domain size. *Theor. Comput. Sci.*, 172(1-2):1–41, 1997.
- [90] Thomas Eiter, Georg Gottlob, and Nicola Leone. Abduction from logic programs: Semantics and complexity. *Theor. Comput. Sci.*, 189(1-2):129–177, 1997.
- [91] Oya Ekin, Peter L. Hammer, and Uri N. Peled. Horn functions and submodular boolean functions. *Theor. Comput. Sci.*, 175(2):257–270, 1997.
- [92] A. El Hamidi and M. Garbey. Using maple for the analysis of bifurcation phenomena in gas combustion. *Theor. Comput. Sci.*, 187(1-2):249–262, 1997.
- [93] Jaana Eloranta, Martti Tienari, and Antti Valmari. Essential transitions to bisimulation equivalences. *Theor. Comput. Sci.*, 179(1-2):397–419, 1997.
- [94] Yu.L. Ershov. The bounded-complete hull of an α -space. *Theor. Comput. Sci.*, 175(1):3–13, 1997.

- [95] Z. Ésik. Completeness of park induction. *Theor. Comput. Sci.*, 177(1):217–283, 1997.
- [96] Kevin Ewacha, Ivan Rival, and Nejib Zaguia. Approximating the number of linear extensions. *Theor. Comput. Sci.*, 175(2):271–282, 1997.
- [97] Isabelle Fagnot. Sur les facteurs des mots automatiques. *Theor. Comput. Sci.*, 172(1-2):67–89, 1997.
- [98] Winfried Fakler. On second order homogeneous linear differential equations with liouvillian solutions. *Theor. Comput. Sci.*, 187(1-2):27–48, 1997.
- [99] Moreno Falaschi, Maurizio Gabbrielli, Kim Marriott, and Catuscia Palamidessi. Confluence in concurrent constraint programming. *Theor. Comput. Sci.*, 183(2):281–315, 1997.
- [100] Paola Favati, Grazia Lotti, and Luciano Margara. Additive one-dimensional cellular automata are chaotic according to devaney’s definition of chaos. *Theor. Comput. Sci.*, 174(1-2):157–170, 1997.
- [101] Stefan Felsner. On-line chain partitions of orders. *Theor. Comput. Sci.*, 175(2):283–292, 1997.
- [102] David Fernández-Baca and Giora Slutzki. Linear-time algorithms for parametric minimum spanning tree problems on planar graphs. *Theor. Comput. Sci.*, 181(1):57–74, 1997.
- [103] Esteban Feuerstein. Paging more than one page. *Theor. Comput. Sci.*, 181(1):75–90, 1997.
- [104] Alain Finkel and Pierre McKenzie. Verifying identical communicating processes is undecidable. *Theor. Comput. Sci.*, 174(1-2):217–230, 1997.
- [105] Paul Fischer, Klaus-Uwe Höffgen, and Hanno Lefmann. Pac-learning from general examples. *Theor. Comput. Sci.*, 172(1-2):43–65, 1997.
- [106] Bob Flagg and Ralph Kopperman. Continuity spaces: Reconciling domains and metric spaces. *Theor. Comput. Sci.*, 177(1):111–138, 1997.
- [107] Michele Flammini and Giorgio Gambosi. On devising boolean routing schemes. *Theor. Comput. Sci.*, 186(1-2):171–198, 1997.

- [108] Wan Fokkink and Hans Zantema. Termination modulo equations by abstract commutation with an application to iteration. *Theor. Comput. Sci.*, 177(2):407–423, 1997.
- [109] Lars-åke Fredlund, Jan Friso Groote, and Henri Korver. Formal verification of a leader election protocol in process algebra. *Theor. Comput. Sci.*, 177(2):459–486, 1997.
- [110] Rusins Freivalds and Sanjay Jain. Kolmogorov numberings and minimal identification. *Theor. Comput. Sci.*, 188(1-2):175–194, 1997.
- [111] Giulia Galbiati, Angelo Morzenti, and Francesco Maffioli. On the approximability of some maximum spanning tree problems. *Theor. Comput. Sci.*, 181(1):107–118, 1997.
- [112] B. Gao and F.K. Hwang. Wide-sense nonblocking for multirate 3-stage close networks. *Theor. Comput. Sci.*, 182(1-2):171–182, 1997.
- [113] E. Garel. Séparateurs dans les mots infinis engendrés par morphismes. *Theor. Comput. Sci.*, 180(1-2):81–113, 1997.
- [114] William I. Gasarch and Katia S. Guimarães. Binary search and recursive graph problems. *Theor. Comput. Sci.*, 181(1):119–139, 1997.
- [115] Willi Geiselman and Felix Ulmer. Constructing a third-order linear differential equation. *Theor. Comput. Sci.*, 187(1-2):3–6, 1997.
- [116] Vassilis Giakoumakis and Jean-Marie Vanherpe. On extended p_4 -reducible and extended p_4 -sparse graphs. *Theor. Comput. Sci.*, 180(1-2):269–286, 1997.
- [117] Pierre Girodias, Eduard Cerny, and William J. Older. Solving linear, min and max constraint systems using clp based on relational interval arithmetic. *Theor. Comput. Sci.*, 173(1):253–281, 1997.
- [118] Eric Goles and Maurice Margenstern. Universality of the chip-firing game. *Theor. Comput. Sci.*, 172(1-2):121–134, 1997.
- [119] Eric Goles and Iván Rapaport. Complexity of tile rotation problems. *Theor. Comput. Sci.*, 188(1-2):129–159, 1997.

- [120] D. Grigoriev. Testing shift-equivalence of polynomials by deterministic, probabilistic and quantum machines. *Theor. Comput. Sci.*, 180(1-2):217–228, 1997.
- [121] Vince Grolmusz. On the power of circuits with gates of low l_1 norms. *Theor. Comput. Sci.*, 188(1-2):117–128, 1997.
- [122] Stéphanie Grumbach and Jianwen Su. Queries with arithmetical constraints. *Theor. Comput. Sci.*, 173(1):151–181, 1997.
- [123] Jozef Gruska, Angelo Monti, Margherita Napoli, and Domenico Parente. Succinctness of descriptions of sbta-languages. *Theor. Comput. Sci.*, 179(1-2):251–271, 1997.
- [124] Yuri Gurevich and James K. Huggins. Equivalence is in the eye of the beholder. *Theor. Comput. Sci.*, 179(1-2):353–380, 1997.
- [125] Viktor Gyuris. A short proof of representability of fork algebras. *Theor. Comput. Sci.*, 188(1-2):211–220, 1997.
- [126] W.G. Handley. Deterministic summation modulo $\lfloor \cdot \rfloor$, the semigroup of binary relations on $\{0, 1, \dots, n - 1\}$. *Theor. Comput. Sci.*, 172(1-2):135–174, 1997.
- [127] Chrysafis Hartonas. Semantics for finite delay. *Theor. Comput. Sci.*, 176(1-2):205–234, 1997.
- [128] Anne Elisabeth Haxthausen. Order-sorted algebraic specifications with higher-order functions. *Theor. Comput. Sci.*, 183(2):157–185, 1997.
- [129] Olivier Heen. Linear speed-up for cellular automata synchronizers and applications. *Theor. Comput. Sci.*, 188(1-2):45–57, 1997.
- [130] Rolf Hennicker, Martin Wirsing, and Michel Bidoit. Proof systems for structured specifications with observability operators. *Theor. Comput. Sci.*, 173(2):393–443, 1997.
- [131] Miki Hermann and Roman Galbavý. Unification of infinite sets of terms schematized by primal grammars. *Theor. Comput. Sci.*, 176(1-2):111–158, 1997.

- [132] Christian Herzog. Pushdown automata with bounded nondeterminism and bounded ambiguity. *Theor. Comput. Sci.*, 181(1):141–157, 1997.
- [133] Peter M. Higgins. A proof of simon’s theorem on piecewise testable languages. *Theor. Comput. Sci.*, 178(1-2):257–264, 1997.
- [134] Jean-Christoph Hohl. Massively parallel factorizations of polynomials with many non-commuting variables. *Theor. Comput. Sci.*, 172(1-2):255–263, 1997.
- [135] Juha Honkala. On lindenmayerian algebraic sequences. *Theor. Comput. Sci.*, 183(1):143–154, 1997.
- [136] Juha Honkala and Werner Kuich. On lindenmayerian algebraic power series. *Theor. Comput. Sci.*, 183(1):113–142, 1997.
- [137] Hendrik Jan Hoogeboom and Anca Muscholl. The code problem for traces — improving the boundaries. *Theor. Comput. Sci.*, 172(1-2):309–321, 1997.
- [138] D.N. Hoover. Limiting semantics of numerical programs. *Theor. Comput. Sci.*, 176(1-2):89–110, 1997.
- [139] K. Hosaka, Y. Takenaga, T. Kaneda, and S. Yajima. Size of ordered binary decision diagrams representing threshold functions. *Theor. Comput. Sci.*, 180(1-2):47–60, 1997.
- [140] Evelyne Hubert. Detecting degenerate behaviors in first order algebraic differential equations. *Theor. Comput. Sci.*, 187(1-2):7–25, 1997.
- [141] Oscar H. Ibarra, Nicholas Q. Tran, and Tao Yang. On the parallel complexity of loops. *Theor. Comput. Sci.*, 179(1-2):381–395, 1997.
- [142] Lucian Ilie. On computational complexity of contextual languages. *Theor. Comput. Sci.*, 183(1):33–44, 1997.
- [143] Costas S. Iliopoulos, Dennis Moore, and W.F. Smyth. A characterization of the squares in a fibonacci string. *Theor. Comput. Sci.*, 172(1-2):281–291, 1997.
- [144] Masami Ito, Lila Kari, and Gabriel Thierrin. Insertion and deletion closure of languages. *Theor. Comput. Sci.*, 183(1):3–19, 1997.

- [145] C. Barry Jay. Covariant types. *Theor. Comput. Sci.*, 185(2):237–258, 1997.
- [146] Jean-Pierre Jouannaud and Mitsuhiro Okada. Abstract data type systems. *Theor. Comput. Sci.*, 173(2):349–391, 1997.
- [147] Stefan Kahrs, Donald Sannella, and Andrzej Tarlecki. The definition of extended ml: A gentle introduction. *Theor. Comput. Sci.*, 173(2):445–484, 1997.
- [148] Goos Kant and Xin He. Regular edge labeling of 4-connected plane graphs and its applications in graph drawing problems. *Theor. Comput. Sci.*, 172(1-2):175–193, 1997.
- [149] Jerzy Karczmarczuk. Generating power of lazy semantics. *Theor. Comput. Sci.*, 187(1-2):203–219, 1997.
- [150] Marek Karpinski, Lawrence L. Larmore, and Wojciech Rytter. Correctness of constructing optimal alphabetic trees revisited. *Theor. Comput. Sci.*, 180(1-2):309–324, 1997.
- [151] John Kececioglu, Ming Li, and John Tromp. Inferring a dna sequence from erroneous copies. *Theor. Comput. Sci.*, 185(1):3–13, 1997.
- [152] N.W. Keesmaat and H.C.M. Kleijn. Restrictions and representations of vector controlled concurrent system behaviours. *Theor. Comput. Sci.*, 179(1-2):61–102, 1997.
- [153] J.R. Kennaway, J.W. Klop, M.R. Sleep, and F.J. de Vries. Infinitary lambda calculus. *Theor. Comput. Sci.*, 175(1):93–125, 1997.
- [154] Changwook Kim. A hierarchy of ence families of graph languages. *Theor. Comput. Sci.*, 186(1-2):157–169, 1997.
- [155] Ton Kloks, Dieter Kratsch, and Jeremy Spinrad. On treewidth and minimum fill-in of asteroidal triple-free graphs. *Theor. Comput. Sci.*, 175(2):309–335, 1997.
- [156] Kojiro Kobayashi. Transformations that preserve malignness of universal distributions. *Theor. Comput. Sci.*, 181(2):289–306, 1997.

- [157] Satoshi Kobayashi. Monad as modality. *Theor. Comput. Sci.*, 175(1):29–74, 1997.
- [158] Satoshi Kobayashi and Takashi Yokomori. Learning approximately regular languages with reversible languages. *Theor. Comput. Sci.*, 174(1-2):251–257, 1997.
- [159] Jürg Kohlas. Allocation of arguments and evidence theory. *Theor. Comput. Sci.*, 171(1-2):221–246, 1997.
- [160] Ger Koole. Assigning a single server to inhomogeneous queues with switching costs. *Theor. Comput. Sci.*, 182(1-2):203–216, 1997.
- [161] Y. Kopidakis and V. Zissimopoulos. An approximation scheme for scheduling independent jobs into subcubes of a hypercube of fixed dimension. *Theor. Comput. Sci.*, 178(1-2):265–273, 1997.
- [162] Jože Korelc. Automatic generation of finite-element code by simultaneous optimization of expressions. *Theor. Comput. Sci.*, 187(1-2):231–248, 1997.
- [163] Takeshi Koshiba, Erkki Mäkinen, and Yuji Takada. Learning deterministic even linear languages from positive examples. *Theor. Comput. Sci.*, 185(1):63–79, 1997.
- [164] Jürgen Koslowski. Note on free algebras over continuous domains. *Theor. Comput. Sci.*, 179(1-2):421–425, 1997.
- [165] Manolis Koubarakis. The complexity of query evaluation in indefinite temporal constraint databases. *Theor. Comput. Sci.*, 171(1-2):25–60, 1997.
- [166] Manolis Koubarakis. From local to global consistency in temporal constraint networks. *Theor. Comput. Sci.*, 173(1):89–112, 1997.
- [167] Matthias Krause and Pavel Pudlák. On the computational power of depth-2 circuits with threshold and modulo gates. *Theor. Comput. Sci.*, 174(1-2):137–156, 1997.
- [168] M.R.K. Krishna Rao. A framework for incremental learning of logic programs. *Theor. Comput. Sci.*, 185(1):191–213, 1997.

- [169] S.O. Krumke, M.V. Marathe, H. Noltemeier, V. Radhakrishnan, S.S. Ravi, and D.J. Rosenkrantz. Compact location problems. *Theor. Comput. Sci.*, 181(2):379–404, 1997.
- [170] Gregory Kucherov and Michaël Rusinowitch. Matching a set of strings with variable length don’t cares. *Theor. Comput. Sci.*, 178(1-2):129–154, 1997.
- [171] Mandred Kudlek and Alexandru Mateescu. On distributed catenation. *Theor. Comput. Sci.*, 180(1-2):341–352, 1997.
- [172] Petr Kůrka. On topological dynamics of turing machines. *Theor. Comput. Sci.*, 174(1-2):203–216, 1997.
- [173] Thierry Lacoste. 0-1 laws by preservation. *Theor. Comput. Sci.*, 184(1-2):237–245, 1997.
- [174] Nguyen Huong Lam. Hajós, factorizations and completion of codes. *Theor. Comput. Sci.*, 182(1-2):245–256, 1997.
- [175] Leslie Lamport. Processes are in the eye of the beholder. *Theor. Comput. Sci.*, 179(1-2):333–351, 1997.
- [176] Michel Latteux and David Simplot. Recognizable picture languages and domino tiling. *Theor. Comput. Sci.*, 178(1-2):275–283, 1997.
- [177] Gray T. Leavens and Don Pigozzi. The behavior-realization adjunction and generalized homomorphic relations. *Theor. Comput. Sci.*, 177(1):183–216, 1997.
- [178] Ernst L. Leiss. Solving systems of explicit language relations. *Theor. Comput. Sci.*, 186(1-2):83–105, 1997.
- [179] Vitus J. Leung. The undecidability of the unrestricted modified edit distance. *Theor. Comput. Sci.*, 180(1-2):203–215, 1997.
- [180] Xuemin Lin. A fully distributed quorum consensus method with high fault-tolerance and low communication overhead. *Theor. Comput. Sci.*, 185(2):259–275, 1997.
- [181] Andrzej Lingas. Maximum tree-packing in time $o(n^{5/2})$. *Theor. Comput. Sci.*, 181(2):307–316, 1997.

- [182] Alexei Lisitsa and Vladimir Sazonov. δ -languages for sets and logspace computable graph transformers. *Theor. Comput. Sci.*, 175(1):183–222, 1997.
- [183] Igor Litovsky and Ludwig Steiger. Finite acceptance of infinite words. *Theor. Comput. Sci.*, 174(1-2):1–21, 1997.
- [184] Renren Liu. An improved shellsort algorithm. *Theor. Comput. Sci.*, 188(1-2):241–247, 1997.
- [185] Dong Yang Long, Jian Ma, and Duanning Zhou. Structure of 3-infix-outfix maximal codes. *Theor. Comput. Sci.*, 188(1-2):231–240, 1997.
- [186] Daniel Lopresti and Andrew Tomkins. Block edit models for approximate string matching. *Theor. Comput. Sci.*, 181(1):159–179, 1997.
- [187] Marina Madonia and Stefano Varricchio. Some decisional problems on rational relations. *Theor. Comput. Sci.*, 180(1-2):1–15, 1997.
- [188] Michael J. Maher. Constrained dependencies. *Theor. Comput. Sci.*, 173(1):113–149, 1997.
- [189] Abdenacer Makhlof. Algèbres associatives et calcul formel (associative algebras and computer algebra). *Theor. Comput. Sci.*, 187(1-2):123–145, 1997.
- [190] Oded Maler and Ludwig Staiger. On syntactic congruences for ω -languages. *Theor. Comput. Sci.*, 183(1):93–112, 1997.
- [191] Rémy Malgouyres. A definition of surfaces of z^3 — a new 3d discrete jordan theorem. *Theor. Comput. Sci.*, 186(1-2):1–41, 1997.
- [192] Daniel Mall. Covers and fans of polynomial ideals. *Theor. Comput. Sci.*, 187(1-2):167–178, 1997.
- [193] Madhav V. Marathe, Venkatesh Radhakrishnan, Harry B. Hunt III, and S.S. Ravi. Hierarchically specified unit disk graphs. *Theor. Comput. Sci.*, 174(1-2):23–65, 1997.
- [194] Kim Marriott and Martin Odersky. A confluent calculus for concurrent constraint programming. *Theor. Comput. Sci.*, 173(1):209–233, 1997.

- [195] Simone Martini and Andrea Masini. Experiments in linear natural deduction. *Theor. Comput. Sci.*, 176(1-2):159–173, 1997.
- [196] Ian A. Mason. A first order logic of effects. *Theor. Comput. Sci.*, 185(2):277–318, 1997.
- [197] A. Massol. Minimality of the system of seven equations for the category of finite sets. *Theor. Comput. Sci.*, 176(1-2):347–353, 1997.
- [198] Martín Matamala. Alternation on cellular automata. *Theor. Comput. Sci.*, 180(1-2):229–241, 1997.
- [199] Armando B. Matos. Monadic logic programs and functional complexity. *Theor. Comput. Sci.*, 176(1-2):175–204, 1997.
- [200] Léa Meyer. Probabilistic language learning under monotonicity constraints. *Theor. Comput. Sci.*, 185(1):81–128, 1997.
- [201] Mohamed Mezghiche. $c\beta$ -machine with $\lambda\beta$ -reduction. *Theor. Comput. Sci.*, 189(1-2):221–228, 1997.
- [202] Laurent Michel and Pascal van Hentenryck. Helios: A modeling language for global optimization and its implementation in newton. *Theor. Comput. Sci.*, 173(1):3–48, 1997.
- [203] Aart Middeldorp and Hans Zantema. Simple termination of rewrite systems. *Theor. Comput. Sci.*, 175(1):127–158, 1997.
- [204] Jutta Mitas and Klaus Reuter. Cover-preserving embeddings of bipartite orders into boolean lattices. *Theor. Comput. Sci.*, 175(2):337–347, 1997.
- [205] Bamshad Mobasher, Don Pigozzi, and Giora Slutski. Multi-valued logic programming semantics: An algebraic approach. *Theor. Comput. Sci.*, 171(1-2):77–109, 1997.
- [206] Angelo Montanari and Maarten de Rijke. Two-sorted metric temporal logics. *Theor. Comput. Sci.*, 183(2):187–214, 1997.
- [207] John Mullins. On an effective hierarchy of communicating processes: Separation principle and testing. *Theor. Comput. Sci.*, 174(1-2):231–246, 1997.

- [208] Daniele Mundici and Alberto Trombetta. Optimal comparison strategies in ulam's searching game with two errors. *Theor. Comput. Sci.*, 182(1-2):217–232, 1997.
- [209] A. Munier and C. Hanen. Using duplication for scheduling unitary tasks on m processors with unit communication delays. *Theor. Comput. Sci.*, 178(1-2):119–127, 1997.
- [210] S.V. Nagaraj. Optimal binary search trees. *Theor. Comput. Sci.*, 188(1-2):1–44, 1997.
- [211] A. Nerode, J.B. Remmel, and V.S. Subrahmanian. Annotated non-monotonic rule systems. *Theor. Comput. Sci.*, 171(1-2):111–146, 1997.
- [212] Liem Ngo and Peter Haddawy. Answering queries from context-sensitive probabilistic knowledge bases. *Theor. Comput. Sci.*, 171(1-2):147–177, 1997.
- [213] Damian Niwiński. Fixed point characterization of infinite behavior of finite-state systems. *Theor. Comput. Sci.*, 189(1-2):1–69, 1997.
- [214] Doris Nolte and Lutz Priese. Abstract fairness and semantics. *Theor. Comput. Sci.*, 177(1):139–153, 1997.
- [215] Enno Ohlebusch and Esko Ukkonen. On the equivalence problem for e-pattern languages. *Theor. Comput. Sci.*, 186(1-2):231–248, 1997.
- [216] Fernando Orejas, Elvira Pino, and Hartmut Ehrig. Institutions for logic programming. *Theor. Comput. Sci.*, 173(2):485–511, 1997.
- [217] Mehmet A. Orgun and Weichang Du. Multi-dimensional logic programming: Theoretical foundations. *Theor. Comput. Sci.*, 185(2):319–345, 1997.
- [218] Pekka Orponen. Computing with truly asynchronous threshold logic networks. *Theor. Comput. Sci.*, 174(1-2):123–136, 1997.
- [219] Grammati E. Pantziou, Alan Roberts, and Antonis Symvonis. Many-to-many routing on trees via matchings. *Theor. Comput. Sci.*, 185(2):347–377, 1997.

- [220] Itsik Pe'er and Ron Shamir. Satisfiability problems on intervals and unit intervals. *Theor. Comput. Sci.*, 175(2):349–372, 1997.
- [221] Pierre Péladeau, Howard Straubing, and Denis Thérien. Finite semi-group varieties defined by programs. *Theor. Comput. Sci.*, 180(1-2):325–339, 1997.
- [222] Doron Peled. On projective and separable properties. *Theor. Comput. Sci.*, 186(1-2):135–156, 1997.
- [223] E. Pfügel. On the latest version of desir-ii. *Theor. Comput. Sci.*, 187(1-2):81–86, 1997.
- [224] Benjamin Pierce and Martin Steffen. Higher-order subtyping. *Theor. Comput. Sci.*, 176(1-2):235–282, 1997.
- [225] Andreas Podelski and Gert Smolka. Situated simplification. *Theor. Comput. Sci.*, 173(1):235–252, 1997.
- [226] Carl Pomerance, John Michael Robson, and Jeffrey Shallit. Automaticity ii: Descriptive complexity in the unary case. *Theor. Comput. Sci.*, 180(1-2):181–201, 1997.
- [227] Helmut Prodinger. On a problem of yekutieli and mandelbrot about the bifurcation ratio of binary trees. *Theor. Comput. Sci.*, 181(1):181–194, 1997.
- [228] Danny Raz. Length considerations in context-free languages. *Theor. Comput. Sci.*, 183(1):21–32, 1997.
- [229] Kenneth W. Regan and Heribert Vollmer. Gap-languages and log-time complexity classes. *Theor. Comput. Sci.*, 188(1-2):101–116, 1997.
- [230] Kathleen Romanik. Approximate testing and its relationship to learning. *Theor. Comput. Sci.*, 188(1-2):79–99, 1997.
- [231] Günter Rote. Finding a shortest vector in a two-dimensional lattice modulo m . *Theor. Comput. Sci.*, 172(1-2):303–308, 1997.
- [232] Paul Ruet and François Fages. Combining explicit negation and negation by failure via belnap's logic. *Theor. Comput. Sci.*, 171(1-2):61–75, 1997.

- [233] Igor Rystsov. Reset words for commutative and solvable automata. *Theor. Comput. Sci.*, 172(1-2):273–279, 1997.
- [234] Marie-France Sagot, Alain Viari, and Henri Soldano. Multiple sequence comparison — a peptide matching approach. *Theor. Comput. Sci.*, 180(1-2):115–137, 1997.
- [235] Yasubumi Sakakibara. Recent advances of grammatical inference. *Theor. Comput. Sci.*, 185(1):15–45, 1997.
- [236] Kouichi Sakurai. Practical proofs of knowledge without relying on theoretical proofs of membership on languages. *Theor. Comput. Sci.*, 181(2):317–335, 1997.
- [237] Marie-Line Santini-Bouchard. Echanges de trois intervalles et suites minimales. *Theor. Comput. Sci.*, 174(1-2):171–191, 1997.
- [238] Masahiko Sato. Intuitionistic and classical natural deduction systems with the catch and the throw rules. *Theor. Comput. Sci.*, 175(1):75–92, 1997.
- [239] Petr Savický and Stanislav Žák. A lower bound on branching programs reading some bits twice. *Theor. Comput. Sci.*, 172(1-2):293–301, 1997.
- [240] Christian Scheen. Implementation of the painlevé test for ordinary differential systems. *Theor. Comput. Sci.*, 187(1-2):87–104, 1997.
- [241] Sandeep Sen. Lower bounds for parallel algebraic decision trees, parallel complexity of convex hulls and related problems. *Theor. Comput. Sci.*, 188(1-2):59–78, 1997.
- [242] Hong Shen. Optimal algorithms for generalized searching in sorted matrices. *Theor. Comput. Sci.*, 188(1-2):221–230, 1997.
- [243] Hong Shen and Weifa Liang. Efficient enumeration of all minimal separators in a graph. *Theor. Comput. Sci.*, 180(1-2):169–180, 1997.
- [244] N.V. Shilov. Program schemata vs. automata for decidability of program logics. *Theor. Comput. Sci.*, 175(1):15–27, 1997.
- [245] Shinichi Shimozono. Finding optimal subgraphs by local search. *Theor. Comput. Sci.*, 172(1-2):265–271, 1997.

- [246] Inger Sigstam and Viggo Stoltenberg-Hansen. Representability of locally compact regular spaces by domains and formal spaces. *Theor. Comput. Sci.*, 179(1-2):319–331, 1997.
- [247] Víctor F. Sirvent. On some dynamical subsets of the rauzy fractal. *Theor. Comput. Sci.*, 180(1-2):363–370, 1997.
- [248] Frank Stephan. Noisy inference and oracles. *Theor. Comput. Sci.*, 185(1):129–157, 1997.
- [249] Martin Strauss. Normal numbers and sources for bpp. *Theor. Comput. Sci.*, 178(1-2):155–169, 1997.
- [250] Jianwen Su. Dynamic constraints and object migration. *Theor. Comput. Sci.*, 184(1-2):195–236, 1997.
- [251] Dan Suciu. Bounded fixpoints for complex objects. *Theor. Comput. Sci.*, 176(1-2):283–328, 1997.
- [252] Gabriele Taentzer. Parallel high-level replacement systems. *Theor. Comput. Sci.*, 186(1-2):43–81, 1997.
- [253] Nobuyuki Takahashi. Various hierarchies of ω -regular sets. *Theor. Comput. Sci.*, 174(1-2):259–268, 1997.
- [254] Eiji Takimoto, Akira Miyashiro, Akira Maruoka, and Yoshifumi Sakai. Learning orthogonal f -horn formulas. *Theor. Comput. Sci.*, 185(1):177–190, 1997.
- [255] M. Talamo and P. Vocca. A data structure for lattice representation. *Theor. Comput. Sci.*, 175(2):373–392, 1997.
- [256] G. Thomas. The problem of defining the singular points of quasi-linear differential-algebraic systems. *Theor. Comput. Sci.*, 187(1-2):49–79, 1997.
- [257] John Tromp, Louxin Zhang, and Ying Zhao. Small weight bases for hamming codes. *Theor. Comput. Sci.*, 181(2):337–345, 1997.
- [258] P. Turakainen. The undecidability of some equivalence problems concerning ngsm's and finite substitutions. *Theor. Comput. Sci.*, 174(1-2):269–274, 1997.

- [259] R.J. van Glabbeek. Notes on the methodology of ccs and csp. *Theor. Comput. Sci.*, 177(2):329–349, 1997.
- [260] Vincent van Oostrom. Developing developments. *Theor. Comput. Sci.*, 175(1):159–181, 1997.
- [261] Jos van Wamel. Process algebra with language matching. *Theor. Comput. Sci.*, 177(2):425–458, 1997.
- [262] Laurent Viennot. Parallel n -free order recognition. *Theor. Comput. Sci.*, 175(2):393–406, 1997.
- [263] Millist W. Vincent. A corrected 5nf definition for relational database design. *Theor. Comput. Sci.*, 185(2):379–391, 1997.
- [264] J.L.M. Vrancken. The algebra of communicating processes with empty process. *Theor. Comput. Sci.*, 177(2):287–328, 1997.
- [265] Kim Ritter Wagner. Liminf convergence in ω -categories. *Theor. Comput. Sci.*, 184(1-2):61–104, 1997.
- [266] Peng-Jun Wan, Qifan Yang, and Dean Kelley. A $\frac{3}{2} \log 3$ -competitive algorithm for the counterfeit coin problem. *Theor. Comput. Sci.*, 181(2):347–356, 1997.
- [267] Farn Wang. A temporal logic for real-time partial ordering with named transactions. *Theor. Comput. Sci.*, 181(1):195–225, 1997.
- [268] Trudy Weibel. An order-sorted resolution in theory and practice. *Theor. Comput. Sci.*, 185(2):393–410, 1997.
- [269] Sue-Hwey Wu, Scott A. Smolka, and Eugene W. Stark. Composition and behaviors of probabilistic i/o automata. *Theor. Comput. Sci.*, 176(1-2):1–38, 1997.
- [270] Hiroaki Yamamoto. On the power of alternation on reversal-bounded alternating turing machines with a restriction. *Theor. Comput. Sci.*, 180(1-2):139–154, 1997.
- [271] Yōhei Yamasaki. The arithmetic of reversed positional games. *Theor. Comput. Sci.*, 174(1-2):247–249, 1997.

- [272] Hsu-Chun Yen. On reachability equivalence for bpp-nets. *Theor. Comput. Sci.*, 179(1-2):301–317, 1997.
- [273] Xiangdong Yu and Moti Yung. Scheduling task-trees with additive scales on parallel-distributed machines. *Theor. Comput. Sci.*, 181(2):357–378, 1997.
- [274] Christoph Zenger. Indexed types. *Theor. Comput. Sci.*, 187(1-2):147–165, 1997.
- [275] Guo-Qiang Zhang and E. Rodney Canfield. The end of pumping? *Theor. Comput. Sci.*, 174(1-2):275–279, 1997.
- [276] Guo-Qiang Zhang and William C. Rounds. Defaults in domain theory. *Theor. Comput. Sci.*, 177(1):155–182, 1997.
- [277] Esteban Zimányi. Query evaluation in probabilistic relational databases. *Theor. Comput. Sci.*, 171(1-2):179–219, 1997.