

References

- [1] Martín Abadi and Cédric Fournet. Private authentication. *Theor. Comput. Sci.*, 322(3):427–476, 2004.
- [2] J. Adámek and H.-E. Porst. On tree coalgebras and coalgebra presentations. *Theor. Comput. Sci.*, 311(1-3):257–283, 2004.
- [3] Jiří Adámek, Stefan Milius, and Jiří Velebil. On coalgebra based on classes. *Theor. Comput. Sci.*, 316(1-3):3–23, 2004.
- [4] Zofia Adamowicz and Leszek Aleksander Kołodziejczyk. Well-behaved principles alternative to bounded induction. *Theor. Comput. Sci.*, 322(1):5–16, 2004.
- [5] Klaus Aehlig, Ulrich Berger, Martin Hofmann, and Helmut Schwichtenberg. An arithmetic for non-size-increasing polynomial-time computation. *Theor. Comput. Sci.*, 318(1-2):3–27, 2004.
- [6] F. Aguiló, D. Arteaga, and I. Diego. A symbolical algorithm on additive basis and double-loop networks. *Theor. Comput. Sci.*, 319(1-3):423–439, 2004.
- [7] Hee-Kap Ahn, Siu-Wing Cheng, Otfried Cheong, Mordecai Golin, and René van Oostrum. Competitive facility location: The voronoi game. *Theor. Comput. Sci.*, 310(1-3):457–467, 2004.
- [8] Yohji Akama. Limiting partial combinatory algebras. *Theor. Comput. Sci.*, 311(1-3):199–220, 2004.
- [9] Jochen Alber, Jens Gramm, Jiong Guo, and Rolf Niedermeier. Computing the similarity of two sequences with nested arc annotations. *Theor. Comput. Sci.*, 312(2-3):337–358, 2004.
- [10] Michael H. Albert, Alexander Golynski, Angèle M. Hamel, Alejandro López-Ortiz, S. Srinivasa Rao, and Mohammad Ali Safari. Longest increasing subsequences in sliding windows. *Theor. Comput. Sci.*, 321(2-3):405–414, 2004.
- [11] Michael Alekhnovich. Mutilated chessboard problem is exponentially hard for resolution. *Theor. Comput. Sci.*, 310(1-3):513–525, 2004.

- [12] Fabio Alessi, Mariangiola Dezani-Ciancaglini, and Stefania Lusin. Intersection types and domain operators. *Theor. Comput. Sci.*, 316(1-3):25–47, 2004.
- [13] Cyril Allauzen and Mehryar Mohri. An optimal pre-determinization algorithm for weighted transducers. *Theor. Comput. Sci.*, 328(1-2):3–18, 2004.
- [14] María Alpuente, Moreno Falaschi, Ginés Moreno, and Germán Vidal. Rules + strategies for transforming lazy functional logic programs. *Theor. Comput. Sci.*, 311(1-3):479–525, 2004.
- [15] Ingo Althöfer. Improved game play by multiple computer hints. *Theor. Comput. Sci.*, 313(3):315–324, 2004.
- [16] Rajeev Alur, Salvatore la Torre, and George J. Pappas. Optimal paths in weighted timed automata. *Theor. Comput. Sci.*, 318(3):297–322, 2004.
- [17] Mauricio Alvarez-Manilla, Achim Jung, and Klaus Keimel. The probabilistic powerdomain for stably compact spaces. *Theor. Comput. Sci.*, 328(3):221–244, 2004.
- [18] Amihood Amir, Ayelet Butman, Maxime Crochemore, Gad M. Landau, and Mary Schaps. Two-dimensional pattern matching with rotations. *Theor. Comput. Sci.*, 314(1-2):173–187, 2004.
- [19] D.S. Ananichev and M.V. Volkov. Synchronizing monotonic automata. *Theor. Comput. Sci.*, 327(3):225–239, 2004.
- [20] Eric Angel, Evripidis Bampis, and Laurent Gourvès. Approximating the pareto curve with local search for the bicriteria tsp(1,2) problem. *Theor. Comput. Sci.*, 310(1-3):135–146, 2004.
- [21] Fabrizio Angiulli, Giovambattista Ianni, and Luigi Palopoli. On the complexity of inducing categorical and quantitative association rules. *Theor. Comput. Sci.*, 314(1-2):217–249, 2004.
- [22] Dana Angluin. Queries revisited. *Theor. Comput. Sci.*, 313(2):175–194, 2004.

- [23] M. Antoniotti, C. Piazza, A. Policriti, M. Simeoni, and B. Mishra. Taming the complexity of biochemical models through bisimulation and collapsing: Theory and practice. *Theor. Comput. Sci.*, 325(1):45–67, 2004.
- [24] Julio Aracena, Jacques Demongeot, and Eric Goles. On limit cycles of monotone functions with symmetric connection graph. *Theor. Comput. Sci.*, 322(2):237–244, 2004.
- [25] Pierre Arnoux, Valérie Berthé, and Anne Siegel. Two-dimensional iterated morphisms and discrete planes. *Theor. Comput. Sci.*, 319(1-3):145–176, 2004.
- [26] Joshua J. Arulanandham, Cristian S. Calude, and Michael J. Dinneen. A fast natural algorithm for searching. *Theor. Comput. Sci.*, 320(1):3–13, 2004.
- [27] Tetsuo Asano, Naoki Katoh, Hisao Tamaki, and Takeshi Tokuyama. The structure and number of global roundings of a graph. *Theor. Comput. Sci.*, 325(3):425–437, 2004.
- [28] John E. Augustine and Steven Seiden. Linear time approximation schemes for vehicle scheduling problems. *Theor. Comput. Sci.*, 324(2-3):147–160, 2004.
- [29] Baruch Awerbuch, Yossi Azar, and Yair Bartal. On-line generalized steiner problem. *Theor. Comput. Sci.*, 324(2-3):313–324, 2004.
- [30] Zheng-Jian Bai and Raymond H. Chan. Inverse eigenproblem for centrosymmetric and centroskew matrices and their approximation. *Theor. Comput. Sci.*, 315(2-3):309–318, 2004.
- [31] James Bailey, Guozhu Dong, and Kotagiri Ramamohanarao. On the decidability of the termination problem of active database systems. *Theor. Comput. Sci.*, 311(1-3):389–437, 2004.
- [32] Patrick Baillot. Stratified coherence spaces: A denotational semantics for light linear logic. *Theor. Comput. Sci.*, 318(1-2):29–55, 2004.
- [33] Patrick Baillot. Type inference for light affine logic via constraints on words. *Theor. Comput. Sci.*, 328(3):289–323, 2004.

- [34] Mourad Baïou and Michel Balinski. Student admissions and faculty recruitment. *Theor. Comput. Sci.*, 322(2):245–265, 2004.
- [35] P. Baldan, N. Busi, A. Corradini, and G.M. Pinna. Domain and event structure semantics for petri nets with read and inhibitor arcs. *Theor. Comput. Sci.*, 323(1-3):129–189, 2004.
- [36] R.N. Banerjee and A. Bujosa. A geometric interpretation of *ld*-resolution. *Theor. Comput. Sci.*, 318(3):435–470, 2004.
- [37] Régis Barbanchon. On unique graph 3-colorability and parsimonious reductions in the plane. *Theor. Comput. Sci.*, 319(1-3):455–482, 2004.
- [38] A. Barbé and F. von Haeseler. The pascal matroid as a home for generating sets of cellular automata configurations defined by quasigroups. *Theor. Comput. Sci.*, 325(2):171–214, 2004.
- [39] Yair Bartal and Elias Koutsoupias. On the competitive ratio of the work function algorithm for the k -server problem. *Theor. Comput. Sci.*, 324(2-3):337–345, 2004.
- [40] Falk Bartels, Ana Sokolova, and Erik de Vink. A hierarchy of probabilistic system types. *Theor. Comput. Sci.*, 327(1-2):3–22, 2004.
- [41] Andrej Bauer, Lars Birkedal, and Dana S. Scott. Equilogical spaces. *Theor. Comput. Sci.*, 315(1):35–59, 2004.
- [42] Marie-Pierre Béal, Anne Bergeron, Sylvie Corteel, and Mathieu Raffinot. An algorithmic view of gene teams. *Theor. Comput. Sci.*, 320(2-3):395–418, 2004.
- [43] Luca Becchetti, Stefano Leonardi, Alberto Marchetti-Spaccamela, and Kirk Pruhs. Semi-clairvoyant scheduling. *Theor. Comput. Sci.*, 324(2-3):325–335, 2004.
- [44] Verónica Becher and Serge Grigorieff. Recursion and topology on $2^{\leq\omega}$ for possibly infinite computations. *Theor. Comput. Sci.*, 322(1):85–136, 2004.
- [45] S. Bellantoni and I. Oitavem. Separating nc along the δ axis. *Theor. Comput. Sci.*, 318(1-2):57–78, 2004.

- [46] Anatoly Petrivich Beliukov. A strong induction scheme that leads to polynomially computable realizations. *Theor. Comput. Sci.*, 322(1):17–39, 2004.
- [47] Asa Ben-Hur, Alexander Roitershtein, and Hava T. Siegelmann. On probabilistic analog automata. *Theor. Comput. Sci.*, 320(2-3):449–464, 2004.
- [48] Michael A. Bender and M. Martín Farach-Colton. The level ancestor problem simplified. *Theor. Comput. Sci.*, 321(1):5–12, 2004.
- [49] Ralph Benzinger. Automated higher-order complexity analysis. *Theor. Comput. Sci.*, 318(1-2):79–103, 2004.
- [50] S. Berardi and C. Berline. Building continuous webbed models for system f . *Theor. Comput. Sci.*, 315(1):3–34, 2004.
- [51] Anne Bergeron and Sylvie Hamel. From cascade decompositions to bit-vector algorithms. *Theor. Comput. Sci.*, 313(1):3–16, 2004.
- [52] Thorsten Bernholdt and Paul Fischer. The complexity of computing the mcd-estimator. *Theor. Comput. Sci.*, 326(1-3):383–398, 2004.
- [53] Valérie Berthé and Robert Tijdeman. Lattices and multi-dimensional words. *Theor. Comput. Sci.*, 319(1-3):177–202, 2004.
- [54] André Berthiaume, Todd Bittner, Ljubomir Perković, Amber Settle, and Janos Simon. Bounding the firing synchronization problem on a ring. *Theor. Comput. Sci.*, 320(2-3):213–228, 2004.
- [55] S. Bezrukov, R. Elsässer, B. Monien, R. Preis, and J.-P. Tillich. New spectral lower bounds on the bisection width of graphs. *Theor. Comput. Sci.*, 320(2-3):155–174, 2004.
- [56] Therese Biedl, Broňa Brejová, Erik D. Demaine, Angèle M. Hamel, Alejandro López-Ortiz, and Tomáš Vinař. Finding hidden independent sets in interval graphs. *Theor. Comput. Sci.*, 310(1-3):287–307, 2004.
- [57] Eli Biham, Gilles Brassard, Dan Kenigsberg, and Tal Mor. Quantum computing without entanglement. *Theor. Comput. Sci.*, 320(1):15–33, 2004.

- [58] D.A. Bini and L. Gemignani. Bernstein-bezoutian matrices. *Theor. Comput. Sci.*, 315(2-3):319–333, 2004.
- [59] Henrik Björklund, Sven Sandberg, and Sergei Vorobyov. Memoryless determinacy of parity and mean payoff games: A simple proof. *Theor. Comput. Sci.*, 310(1-3):365–378, 2004.
- [60] F. Blanchet-Sadri. Codes, orderings, and partial words. *Theor. Comput. Sci.*, 329(1-3):177–202, 2004.
- [61] F. Blanchet-Sadri and Ajay Chriscoe. Local periods and binary partial words: An algorithm. *Theor. Comput. Sci.*, 314(1-2):189–216, 2004.
- [62] Avrim Blum, Vijay Kumar, Atri Rudra, and Felix Wu. Online learning in online auctions. *Theor. Comput. Sci.*, 324(2-3):137–146, 2004.
- [63] Carlo Blundo, Paolo D’Arco, Vanessa Daza, and Carles Padró. Bounds and constructions for unconditionally secure distributed key distribution schemes for general access structures. *Theor. Comput. Sci.*, 320(2-3):269–291, 2004.
- [64] Hans-Joachim Böckenhauer, Dirk Bongartz, Juraj Hromkovič, Ralf Klasing, Guido Proietti, Sebastian Seibert, and Walter Unger. On the hardness of constructing minimal 2-connected spanning subgraphs in complete graphs with sharpened triangle inequality. *Theor. Comput. Sci.*, 326(1-3):137–153, 2004.
- [65] Olivier Bodini and Eric Rémila. Tilings with trichromatic colored-edges triangles. *Theor. Comput. Sci.*, 319(1-3):59–70, 2004.
- [66] Bernard Boigelot and Louis Latour. Counting the solutions of presburger equations without enumerating them. *Theor. Comput. Sci.*, 313(1):17–29, 2004.
- [67] A. Bompade, G. Matera, R. Wachenchauzer, and A. Waissbein. Polynomial equation solving by lifting procedures for ramified fibers. *Theor. Comput. Sci.*, 315(2-3):335–369, 2004.
- [68] Henning Bordihn. Context-freeness of the power of context-free languages is undecidable. *Theor. Comput. Sci.*, 314(3):445–449, 2004.

- [69] Claudson F. Bornstein and Santosh Vempala. Flow metrics. *Theor. Comput. Sci.*, 321(1):13–24, 2004.
- [70] Prosenjit Bose and Pat Morin. Competitive online routing in geometric graphs. *Theor. Comput. Sci.*, 324(2-3):273–288, 2004.
- [71] Alin Bostan and Éric Schost. On the complexities of multipoint evaluation and interpolation. *Theor. Comput. Sci.*, 329(1-3):223–235, 2004.
- [72] Patricia Bouyer, Catherine Dufourd, Emmanuel Fleury, and Antoine Petit. Updatable timed automata. *Theor. Comput. Sci.*, 321(2-3):291–345, 2004.
- [73] Tim Boykett. Efficient exhaustive listings of reversible one dimensional cellular automata. *Theor. Comput. Sci.*, 325(2):215–247, 2004.
- [74] Andreas Brandstädt, Feodor F. Dragan, Hoàng-Oanh Le, and Van Bang Le. Tree spanners on chordal graphs: Complexity and algorithms. *Theor. Comput. Sci.*, 310(1-3):329–354, 2004.
- [75] Valentin E. Brimkov and Reneta P. Barneva. Connectivity of discrete planes. *Theor. Comput. Sci.*, 319(1-3):203–227, 2004.
- [76] Selmer Bringsjord and Konstantine Arkoudas. The modal argument for hypercomputing minds. *Theor. Comput. Sci.*, 317(1-3):167–190, 2004.
- [77] Sabine Broda, Luís Damas, Marcelo Finger, and Paulo Silva e Silva. The decidability of a fragment of bb’iw-logic. *Theor. Comput. Sci.*, 318(3):373–408, 2004.
- [78] Hervé Brönnimann, John Iacono, Jyrki Katajainen, Pat Morin, Jason Morrison, and Godfried Toussaint. Space-efficient planar convex hull algorithm. *Theor. Comput. Sci.*, 321(1):25–40, 2004.
- [79] Tobias Brueggemann and Walter Kern. An improved deterministic local search algorithm for 3-sat. *Theor. Comput. Sci.*, 329(1-3):303–313, 2004.
- [80] D. Burago, D. Grigoriev, and A. Slissenko. Approximating shortest path for the skew lines problem in time doubly logarithmic in $1/\epsilon$. *Theor. Comput. Sci.*, 315(2-3):371–404, 2004.

- [81] Serge Burckel and Marianne Morillon. Sequential computation of linear boolean mappings. *Theor. Comput. Sci.*, 314(1-2):287–292, 2004.
- [82] Mark Burgin. Algorithmic complexity of recursive and inductive algorithms. *Theor. Comput. Sci.*, 317(1-3):31–60, 2004.
- [83] Mark Burgin and Allen Klinger. Experience, generations, and limits in machine learning. *Theor. Comput. Sci.*, 317(1-3):71–91, 2004.
- [84] Mark Burgin and Allen Klinger. Three aspects of super-recursive algorithms and hypercomputation or finding black swans. *Theor. Comput. Sci.*, 317(1-3):1–11, 2004.
- [85] Nadia Busi and Gianluigi Zavattaro. On the expressive power of movement and restriction in pure mobile ambients. *Theor. Comput. Sci.*, 322(3):477–515, 2004.
- [86] Luís Caires and Luca Cardelli. A spatial logic for concurrency — ii. *Theor. Comput. Sci.*, 322(3):517–565, 2004.
- [87] Cristiano Calcagno. Two-level languages for program optimization. *Theor. Comput. Sci.*, 315(1):61–81, 2004.
- [88] Manuel Lameiras Campagnolo. Continuous-time computation with restricted integration capabilities. *Theor. Comput. Sci.*, 317(1-3):147–165, 2004.
- [89] R. Carmo, J. Donadelli, Y. Kohayakawa, and E. Laber. Searching in random partially ordered sets. *Theor. Comput. Sci.*, 321(1):41–57, 2004.
- [90] Gianpiero Cattaneo, Alberto Dennunzio, and Luciano Margara. Solution of some conjectures about topological properties of linear cellular automata. *Theor. Comput. Sci.*, 325(2):249–271, 2004.
- [91] Matteo Cavaliere and Peter Leupold. Evolution and observation — a non-standard way to generate formal languages. *Theor. Comput. Sci.*, 321(2-3):233–248, 2004.
- [92] Serenella Cerrito and Delia Kesner. Pattern matching as cut elimination. *Theor. Comput. Sci.*, 323(1-3):71–127, 2004.

- [93] Julien Cervelle and Bruno Durand. Tilings: Recursivity and regularity. *Theor. Comput. Sci.*, 310(1-3):469–477, 2004.
- [94] Nathalie Chabrier-Rivier, Marc Chiaverini, Vincent Danos, François Fages, and Vincent Schächter. Modeling and querying biomolecular interaction networks. *Theor. Comput. Sci.*, 325(1):25–44, 2004.
- [95] Jérémie Chalopin and Hing Leung. On factorization forests of finite height. *Theor. Comput. Sci.*, 310(1-3):489–499, 2004.
- [96] J.-M. Champarnaud and F. Coulon. Nfa reduction algorithms by means of regular inequalities. *Theor. Comput. Sci.*, 327(3):241–253, 2004. see Erratum in: Theoretical Computer Science, Vol. 347, 2005, No. 1-2, 437-440.
- [97] Jean-Marc Champarnaud and Gérard Duchamp. Derivatives of rational expressions and related theorems. *Theor. Comput. Sci.*, 313(1):31–44, 2004.
- [98] F.H. Chang, J.Y. Guo, F.K. Hwang, and C.K. Lin. Wide-sense non-blocking for symmetric or asymmetric 3-stage clos networks under various routing strategies. *Theor. Comput. Sci.*, 314(3):375–386, 2004.
- [99] Moses Charikar, Kevin Chen, and Martin Farach-Colton. Finding frequent items in data streams. *Theor. Comput. Sci.*, 312(1):3–15, 2004.
- [100] A. Chateau. On the complexity of decision using destinies in h -bounded structures. *Theor. Comput. Sci.*, 322(1):41–67, 2004.
- [101] Cedric Chauve and Guillaume Fertin. On maximal instances for the original syntenic distance. *Theor. Comput. Sci.*, 326(1-3):29–43, 2004.
- [102] Marc Chemillier. Synchronization of musical words. *Theor. Comput. Sci.*, 310(1-3):35–60, 2004.
- [103] Hubie Chen and Riccardo Pucella. A coalgebraic approach to kleene algebra with tests. *Theor. Comput. Sci.*, 327(1-2):23–44, 2004.
- [104] Peter Chen and Guoli Ding. The best expert versus the smartest algorithm. *Theor. Comput. Sci.*, 324(2-3):361–380, 2004.

- [105] Zhi-Zhong Chen, Yong Gao, Guohui Lin, Robert Niewiadomski, Yang Wang, and Junfeng Wu. A space-efficient algorithm for sequence alignment with inversions and reversals. *Theor. Comput. Sci.*, 325(3):361–372, 2004.
- [106] Qi Cheng. On the ultimate complexity of factorials. *Theor. Comput. Sci.*, 326(1-3):419–429, 2004.
- [107] Dong Pyo Chi and DoYong Kwon. Sturmian words, β -shifts, and transcendence. *Theor. Comput. Sci.*, 321(2-3):395–404, 2004.
- [108] Francis Y.L. Chin, Xiaotie Deng, Qizhi Fang, and Shanfeng Zhu. Approximate and dynamic rank aggregation. *Theor. Comput. Sci.*, 325(3):409–424, 2004.
- [109] Francis Y.L. Chin and Stanley P.Y. Fung. Improved competitive algorithms for online scheduling with partial job values. *Theor. Comput. Sci.*, 325(3):467–478, 2004.
- [110] Hana Chockler and Orna Kupferman. ω -regular languages are testable with a constant number of queries. *Theor. Comput. Sci.*, 329(1-3):71–92, 2004.
- [111] Ch. Choffrut and Y. Haddad. String-matching with obdds. *Theor. Comput. Sci.*, 320(2-3):187–198, 2004.
- [112] Annie Choquet-Geniet and Emmanuel Grolleau. Minimal schedulability interval for real-time systems of periodic tasks with offsets. *Theor. Comput. Sci.*, 310(1-3):117–134, 2004.
- [113] Tom Chothia and Dominic Duggan. Abstractions for fault-tolerant global computing. *Theor. Comput. Sci.*, 322(3):567–613, 2004.
- [114] Marek Chrobak and Jiří Sgall. The weighted 2-server problem. *Theor. Comput. Sci.*, 324(2-3):289–312, 2004.
- [115] Wai-Fong Chuan. Moments of conjugacy classes of binary words. *Theor. Comput. Sci.*, 310(1-3):273–285, 2004.
- [116] Corina Cîrstea. A compositional approach to defining logics for coalgebras. *Theor. Comput. Sci.*, 327(1-2):45–69, 2004.

- [117] Carol E. Cleland. The concept of computability. *Theor. Comput. Sci.*, 317(1-3):209–225, 2004.
- [118] Simona Cocco and Rémi Monasson. Heuristic average-case analysis of the backtrack resolution of random 3-satisfiability instances. *Theor. Comput. Sci.*, 320(2-3):345–372, 2004.
- [119] Amin Coja-Oghlan, Andreas Goerdt, André Lanka, and Frank Schädlich. Techniques from combinatorial approximation algorithms yield efficient algorithms for random $2k$ -sat. *Theor. Comput. Sci.*, 329(1-3):1–45, 2004.
- [120] Anne Condon, Beth Davy, Baharak Rastegari, Shelly Zhao, and Finbarr Tarrant. Classifying rna pseudoknotted structures. *Theor. Comput. Sci.*, 320(1):35–50, 2004.
- [121] B. Jack Copeland. Hypercomputation: Philosophical issues. *Theor. Comput. Sci.*, 317(1-3):251–267, 2004.
- [122] Ernie Croot, Ren-Cang Li, and Hui June Zhu. The abc conjecture and correctly rounded reciprocal square roots. *Theor. Comput. Sci.*, 315(2-3):405–417, 2004.
- [123] James D. Currie. The number of binary words avoiding abelian fourth powers grows exponentially. *Theor. Comput. Sci.*, 319(1-3):441–446, 2004.
- [124] M. Curti, P. Degano, C. Priami, and C.T. Baldari. Modelling biochemical pathways through enhanced π -calculus. *Theor. Comput. Sci.*, 325(1):111–140, 2004.
- [125] Eugen Czeizler. On the size of the inverse neighborhoods for one-dimensional reversible cellular automata. *Theor. Comput. Sci.*, 325(2):273–284, 2004.
- [126] Jan Daciuk and Gertjan van Noord. Finite automata for compact representation of tuple dictionaries. *Theor. Comput. Sci.*, 313(1):45–56, 2004.
- [127] Vilhelm Dahllöf, Peter Jonsson, and Richard Beigel. Algorithms for four variants of the exact satisfiability problem. *Theor. Comput. Sci.*, 320(2-3):373–394, 2004.

- [128] Jack J. Dai, James I. Lathrop, Jack H. Lutz, and Elvira Mayordomo. Finite-state dimension. *Theor. Comput. Sci.*, 310(1-3):1–33, 2004.
- [129] Ugo Dal Lago and Simone Martini. Phase semantics and decidability of elementary affine logic. *Theor. Comput. Sci.*, 318(3):409–433, 2004.
- [130] Flavio D’Alessandro and Stefano Varricchio. Well quasi-orders and context-free grammars. *Theor. Comput. Sci.*, 327(3):255–268, 2004.
- [131] Mark Daley, Lila Kari, and Ian McQuillan. Families of languages defined by ciliate bio-operations. *Theor. Comput. Sci.*, 320(1):51–69, 2004.
- [132] Víctor Dalmau and Peter Jonsson. The complexity of counting homomorphisms seen from the other side. *Theor. Comput. Sci.*, 329(1-3):315–323, 2004.
- [133] Zhe Dang, Tevfik Bultan, Oscar H. Ibarra, and Richard A. Kemmerer. Past pushdown timed automata and safety verification. *Theor. Comput. Sci.*, 313(1):57–71, 2004.
- [134] Marc Daniel, Sylvain Gravier, and Julien Moncel. Identifying codes in some subgraphs of the square lattice. *Theor. Comput. Sci.*, 319(1-3):411–421, 2004.
- [135] N. Danner and C. Pollett. Minimization and np multifunctions. *Theor. Comput. Sci.*, 318(1-2):105–119, 2004.
- [136] Vincent Danos and Cosimo Laneve. Formal molecular biology. *Theor. Comput. Sci.*, 325(1):69–110, 2004.
- [137] Annalisa De Bonis and Alfredo De Santis. Randomness in secret sharing and visual cryptography schemes. *Theor. Comput. Sci.*, 314(3):351–374, 2004.
- [138] Christophe Dehlinger and Jean-François Dufourd. Formalizing generalized maps in coq. *Theor. Comput. Sci.*, 323(1-3):351–397, 2004.
- [139] Christophe Dehlinger and Jean-François Dufourd. Formalizing the trading theorem in coq. *Theor. Comput. Sci.*, 323(1-3):399–442, 2004.

- [140] M. Delorme and J. Mazoyer. Real-time recognition of languages on an two-dimensional archimedean thread. *Theor. Comput. Sci.*, 322(2):335–354, 2004.
- [141] Jean-Charles Delvenne and Vincent D. Blondel. Quasi-periodic configurations and undecidable dynamics for tilings, infinite words and turing machines. *Theor. Comput. Sci.*, 319(1-3):127–143, 2004.
- [142] Erik D. Demaine, Martin L. Demaine, and Rudolf Fleischer. Solitaire clobber. *Theor. Comput. Sci.*, 313(3):325–338, 2004.
- [143] Erik D. Demaine, Rudolf Fleischer, Aviezri S. Fraenkel, and Richard J. Nowakowski. Appendix b: Open problems at the 2002 dagstuhl seminar on algorithmic combinatorial game theory. *Theor. Comput. Sci.*, 313(3):539–543, 2004.
- [144] François Denis, Aurélien Lemay, and Alain Terlutte. Learning regular languages using rfsas. *Theor. Comput. Sci.*, 313(2):267–294, 2004.
- [145] Christian Deppe. Strategies for the renyi-ulam game with fixed number of lies. *Theor. Comput. Sci.*, 314(1-2):45–55, 2004.
- [146] Josée Desharnais, Vineet Gupta, Radha Jagadeesan, and Prakash Panangaden. Metrics for labelled markov processes. *Theor. Comput. Sci.*, 318(3):323–354, 2004.
- [147] Sébastien Desreux, Martin Matamala, Ivan Rapaport, and Eric Rémila. Domino tilings and related models: Space of configurations of domains with holes. *Theor. Comput. Sci.*, 319(1-3):83–101, 2004.
- [148] Anders Dessmark and Andrzej Pelc. Optimal graph exploration without good maps. *Theor. Comput. Sci.*, 326(1-3):343–362, 2004.
- [149] N. Destainville, R. Mosseri, and F. Bailly. A formula for the number of tilings of an octagon by rhombi. *Theor. Comput. Sci.*, 319(1-3):71–81, 2004.
- [150] Mariangiola Dezani-Ciancaglini, Silvia Ghilezan, and Silvia Likavec. Behavioural inverse limit λ -models. *Theor. Comput. Sci.*, 316(1-3):49–74, 2004.

- [151] Răzvan Diaconescu. Interpolation in grothendieck institutions. *Theor. Comput. Sci.*, 311(1-3):439–461, 2004.
- [152] Michelangelo Diligenti, Marco Gori, and Marco Maggini. Neural computation, social networks, and topological spectra. *Theor. Comput. Sci.*, 320(1):71–87, 2004.
- [153] Nicola Dimitri. Efficiency and equilibrium in the electronic mail game; the general case. *Theor. Comput. Sci.*, 314(3):335–349, 2004.
- [154] Ernst-Erich Doberkat and Eugenio G. Omodeo. Er modelling from first relational principles. *Theor. Comput. Sci.*, 311(1-3):285–323, 2004.
- [155] Benjamin Doerr. European tenure games. *Theor. Comput. Sci.*, 313(3):339–351, 2004.
- [156] Benjamin Doerr. Typical rounding problems. *Theor. Comput. Sci.*, 312(2-3):463–477, 2004.
- [157] Michael Domaratzki. Deletion along trajectories. *Theor. Comput. Sci.*, 320(2-3):293–313, 2004.
- [158] Michael Domaratzki and Alexander Okhotin. Representing recursively enumerable languages by iterated deletion. *Theor. Comput. Sci.*, 314(3):451–457, 2004.
- [159] Agostino Dovier, Carla Piazza, and Alberto Policriti. An efficient algorithm for computing bisimulation equivalence. *Theor. Comput. Sci.*, 311(1-3):221–256, 2004.
- [160] Rodney G. Downey, Evan J. Griffiths, and Stephanie Reid. On kurtz randomness. *Theor. Comput. Sci.*, 321(2-3):249–270, 2004.
- [161] Michael Drmota. On robson’s convergence and boundedness conjectures concerning the height of binary search trees. *Theor. Comput. Sci.*, 329(1-3):47–70, 2004.
- [162] Enrica Duchi, Jean-Marc Fedou, and Simone Rinaldi. From object grammars to eco systems. *Theor. Comput. Sci.*, 314(1-2):57–95, 2004.
- [163] P. Dukes and Alan C.H. Ling. A combinatorial error bound for t -point-based sampling. *Theor. Comput. Sci.*, 310(1-3):479–488, 2004.

- [164] Ioana Dumitriu and Joel Spencer. A halfiar’s game. *Theor. Comput. Sci.*, 313(3):353–369, 2004.
- [165] Christoph Dürr, Ivan Rapaport, and Guillaume Theyssier. Cellular automata and communication complexity. *Theor. Comput. Sci.*, 322(2):355–368, 2004.
- [166] Jean-Pierre Duval, Roman Kolpakov, Gregory Kucherov, Thierry Lecroq, and Arnaud Lefebvre. Linear-time computation of local periods. *Theor. Comput. Sci.*, 326(1-3):229–240, 2004.
- [167] Marcia Edson and Luca Q. Zamboni. On representations of positive integers in the fibonacci base. *Theor. Comput. Sci.*, 326(1-3):241–260, 2004.
- [168] Friedrich Eisenbrand and Fabrizio Grandoni. On the complexity of fixed parameter clique and dominating set. *Theor. Comput. Sci.*, 326(1-3):57–67, 2004.
- [169] Avi Elkharrat, Christiane Frougny, Jean-Pierre Gazeau, and Jean-Louis Verger-Gaugry. Symmetry groups for beta-lattices. *Theor. Comput. Sci.*, 319(1-3):281–305, 2004.
- [170] Amr Elmasry. On the sequential access theorem and deque conjecture for splay trees. *Theor. Comput. Sci.*, 314(3):459–466, 2004.
- [171] Gillian Z. Elston and Gretchen Ostheimer. On groups whose word problem is solved by a counter automaton. *Theor. Comput. Sci.*, 320(2-3):175–185, 2004.
- [172] Lars Engebretsen, Jonas Holmerin, and Alexander Russell. Inapproximability results for equations over finite groups. *Theor. Comput. Sci.*, 312(1):17–45, 2004.
- [173] Peter L. Erdős, Ulrich Faigle, Winfried Hochstättler, and Walter Kern. Note on the game chromatic index of trees. *Theor. Comput. Sci.*, 313(3):371–376, 2004.
- [174] Zoltán Ésik and Werner Kuich. Inductive *-semirings. *Theor. Comput. Sci.*, 324(1):3–33, 2004.

- [175] Juan Luis Esteban, Nicola Galesi, and Jochen Messner. On the complexity of resolution with bounded conjunctions. *Theor. Comput. Sci.*, 321(2-3):347–370, 2004.
- [176] Damien Eveillard, Delphine Ropers, Hidde de Jong, Christiane Brabant, and Alexander Bockmayr. A multi-scale constraint programming model of alternative splicing regulation. *Theor. Comput. Sci.*, 325(1):3–24, 2004.
- [177] Jacques Farré and J. Fortes Gálvez. Bounded-connect noncanonical discriminating-reverse parsers. *Theor. Comput. Sci.*, 313(1):73–91, 2004.
- [178] Tomás Feder, Florent Madelaine, and Iain A. Stewart. Dichotomies for classes of homomorphism problems involving unary functions. *Theor. Comput. Sci.*, 314(1-2):1–43, 2004.
- [179] Tomás Feder, Rajeev Motwani, Rina Panigrahy, Steve Seiden, Rob van Stee, and An Zhu. Combining request scheduling with web caching. *Theor. Comput. Sci.*, 324(2-3):201–218, 2004.
- [180] Sándor P. Fekete, Rudolf Fleischer, Aviezri Fraenkel, and Matthias Schmitt. Traveling salesmen in the presence of competition. *Theor. Comput. Sci.*, 313(3):377–392, 2004.
- [181] Svjetlan Feretić. A q -enumeration of convex polyominoes by the festoon approach. *Theor. Comput. Sci.*, 319(1-3):333–356, 2004.
- [182] Jiří Fiala, Aleksei V. Fishkin, and Fedor Fomin. On distance constrained labeling of disk graphs. *Theor. Comput. Sci.*, 326(1-3):261–292, 2004.
- [183] James Allen Fill and Nevin Kapur. Limiting distributions for additive functionals on catalan trees. *Theor. Comput. Sci.*, 326(1-3):69–102, 2004.
- [184] Olivier Finkel. Closure properties of locally finite ω -languages. *Theor. Comput. Sci.*, 322(1):69–84, 2004.
- [185] Stacy E. Finkelstein, Peter Freyd, and James Lipton. Erratum to "a new framework for declarative programming". *Theor. Comput. Sci.*,

- 311(1-3):527–527, 2004. Originally in *Theor. Comput. Sci.*, Vol. 300, 2003, No. 1-3, 91-160.
- [186] Rudolf Fleischer, Włodzimierz Głązek, and Steve Seiden. New results for online page replication. *Theor. Comput. Sci.*, 324(2-3):219–251, 2004.
 - [187] Andrea Formisano, Eugenio G. Omodeo, and Alberto Policriti. Three-variable statements of set-pairing. *Theor. Comput. Sci.*, 322(1):147–173, 2004.
 - [188] John Foy. A dynamical system which must be stable whose stability cannot be proved. *Theor. Comput. Sci.*, 328(3):355–361, 2004.
 - [189] Aviezri S. Fraenkel. Complexity, appeal and challenges of combinatorial games. *Theor. Comput. Sci.*, 313(3):393–415, 2004.
 - [190] Rudolf Freund, Carlos Martín-Vide, and Gheorghe Păun. From regulated rewriting to computing with membranes: Collapsing hierarchies. *Theor. Comput. Sci.*, 312(2-3):143–188, 2004.
 - [191] N. Friburger and D. Maurel. Finite-state transducer cascades to extract named entities in texts. *Theor. Comput. Sci.*, 313(1):93–104, 2004.
 - [192] Pierluigi Frisco. The conformon-p system: A molecular and cell biology-inspired computability model. *Theor. Comput. Sci.*, 312(2-3):295–319, 2004.
 - [193] A. Frosini and G. Simi. The np -completeness of a tomographical problem on bicolored domino tilings. *Theor. Comput. Sci.*, 319(1-3):447–454, 2004.
 - [194] Xiang Fu, Tevfik Bultan, and Jianwen Su. Conversation protocols: A formalism for specification and verification of reactive electronic services. *Theor. Comput. Sci.*, 328(1-2):19–37, 2004.
 - [195] Zoltán Fülöp, Zsolt Gazdag, and Heiko Vogler. Hierarchies of tree series transformations. *Theor. Comput. Sci.*, 314(3):387–429, 2004.
 - [196] Z. Füredi and R.P. Kurshan. Minimal length test vectors for multiple-fault detection. *Theor. Comput. Sci.*, 315(1):191–208, 2004.

- [197] Zoltán Füredi and Jeong-Hyun Kang. Distance graph on z^n with l_1 norm. *Theor. Comput. Sci.*, 319(1-3):357–366, 2004.
- [198] Tamás Gaál. Deciding sequentiability of finite-state transducers by finite-state pattern-matching. *Theor. Comput. Sci.*, 313(1):105–117, 2004.
- [199] A. Gajardo and E. Goles. Dynamics of a class of ants on a one-dimensional lattice. *Theor. Comput. Sci.*, 322(2):267–283, 2004.
- [200] Yashar Ganjali and MohammadTaghi Hajiaghayi. Characterization of networks supporting multi-dimensional linear interval routing schemes. *Theor. Comput. Sci.*, 326(1-3):103–116, 2004.
- [201] Theodoulos Garefalakis. The generalized weil pairing and the discrete logarithm problem on elliptic curves. *Theor. Comput. Sci.*, 321(1):59–72, 2004.
- [202] Dominique Geniet and Jean-Philippe Dubernard. Scheduling hard sporadic tasks with regular languages and generating functions. *Theor. Comput. Sci.*, 313(1):119–132, 2004.
- [203] Alan Gibbons and Paul Sant. Rotation sequences and edge-colouring of binary tree pairs. *Theor. Comput. Sci.*, 326(1-3):409–418, 2004.
- [204] Eric Goles. Folding and tiling. *Theor. Comput. Sci.*, 322(2):285–296, 2004.
- [205] Éric Goles, Matthieu Latapy, Clémence Magnien, Michel Morvan, and Ha Duong Phan. Sandpile models and lattices: A comprehensive survey. *Theor. Comput. Sci.*, 322(2):383–407, 2004.
- [206] Antonio Cano Gómez and Jean-Éric Pin. Shuffle on positive varieties of languages. *Theor. Comput. Sci.*, 312(2-3):433–461, 2004.
- [207] Teofilo F. Gonzalez and David Serena. Complexity of pairwise shortest path routing in the grid. *Theor. Comput. Sci.*, 326(1-3):155–185, 2004.
- [208] Peter J. Grabner, Clemens Heuberger, and Helmut Prodinger. Distribution results for low-weight binary representations for pairs of integers. *Theor. Comput. Sci.*, 319(1-3):307–331, 2004.

- [209] J.P. Grossman. Appendix a: Report on the first international clobber tournament. *Theor. Comput. Sci.*, 313(3):533–537, 2004.
- [210] J.P. Grossman. Periodicity in one-dimensional peg duotaire. *Theor. Comput. Sci.*, 313(3):417–425, 2004.
- [211] Richard Grout, Martine Léonard, and Laurent Mouchard. Speeding up the detection of evolutive tandem repeats. *Theor. Comput. Sci.*, 310(1-3):309–328, 2004.
- [212] Jun Gu, Xiao-Dong Hu, Xiaohua Jia, and Mu-Hong Zhang. Routing algorithm for multicast under multi-tree model in optical networks. *Theor. Comput. Sci.*, 314(1-2):293–301, 2004.
- [213] Franck Guingne, Florent Nicart, and André Kempe. Acyclic networks maximizing the printing complexity. *Theor. Comput. Sci.*, 328(1-2):39–51, 2004.
- [214] M. Habib, L. Nourine, O. Raynaud, and E. Thierry. Computational aspects of the 2-dimension of partially ordered sets. *Theor. Comput. Sci.*, 312(2-3):401–431, 2004.
- [215] Yassine Hachaïchi. Arithmetical definability and computational complexity. *Theor. Comput. Sci.*, 322(1):137–146, 2004.
- [216] Reiner Hähnle, Neil V. Murray, and Erik Rosenthal. Linearity and regularity with negation normal form. *Theor. Comput. Sci.*, 328(3):325–354, 2004.
- [217] Magnús M. Hallórsson, Kazuo Iwama, Shuichi Miyazaki, and Hiroki Yanagisawa. Randomized approximation of the stable marriage problem. *Theor. Comput. Sci.*, 325(3):439–465, 2004.
- [218] F. Harary, W. Slany, and O. Verbitsky. On the lengths of symmetry breaking-preserving games on graphs. *Theor. Comput. Sci.*, 313(3):427–446, 2004.
- [219] Tero Harju and Juhani Karhumäki. Many aspects of defect theorems. *Theor. Comput. Sci.*, 324(1):35–54, 2004.
- [220] E.O. Harriss and J.S.W. Lamb. Canonical substitutions tilings of ammann-beenker type. *Theor. Comput. Sci.*, 319(1-3):241–279, 2004.

- [221] Kosaburo Hashiguchi, Naoto Sakakibara, and Shuji Jimbo. Equivalence of regular binoid expressions and regular expressions denoting binoid languages over free binoids. *Theor. Comput. Sci.*, 312(2-3):251–266, 2004.
- [222] Patrick Healy and Ago Kuusik. Algorithms for multi-level graph planarity testing and layout. *Theor. Comput. Sci.*, 320(2-3):331–344, 2004.
- [223] Georg Heinig and Karla Rost. Split algorithms for skewsymmetric toeplitz matrices with arbitrary rank profile. *Theor. Comput. Sci.*, 315(2-3):453–468, 2004.
- [224] Lane A. Hemaspaandra and Mayur Thakur. Lower bounds and the hardness of counting properties. *Theor. Comput. Sci.*, 326(1-3):1–28, 2004.
- [225] Matthew Hennessy, Massimo Merro, and Julian Rathke. Towards a behavioural theory of access and mobility control in distributed systems. *Theor. Comput. Sci.*, 322(3):615–669, 2004.
- [226] Claudio Hermida and P. Mateus. Paracategories ii: Adjunctions, fibrations and examples from probabilistic automata theory. *Theor. Comput. Sci.*, 311(1-3):71–103, 2004.
- [227] Alejandro Hevia and Marcos Kiwi. Electronic jury voting protocols. *Theor. Comput. Sci.*, 321(1):73–94, 2004.
- [228] R.M. Hierons and M. Harman. Testing conformance of a deterministic implementation against a non-deterministic stream x-machine. *Theor. Comput. Sci.*, 323(1-3):191–233, 2004.
- [229] John M. Hitchcock. The size of *spp*. *Theor. Comput. Sci.*, 320(2-3):495–503, 2004.
- [230] Dieter Hofbauer and Johannes Waldmann. Deleting string rewriting systems preserve regularity. *Theor. Comput. Sci.*, 327(3):301–317, 2004.
- [231] M. Hofmann and P.J. Scott. Realizability models for bll-like languages. *Theor. Comput. Sci.*, 318(1-2):121–137, 2004.

- [232] Jason J. Holdsworth. Graph traversal and graph transformation. *Theor. Comput. Sci.*, 321(2-3):215–231, 2004.
- [233] Markus Holzer and Barbara König. On deterministic finite automata and syntactic monoid size. *Theor. Comput. Sci.*, 327(3):319–347, 2004.
- [234] Markus Holzer and Stefan Schwoon. Assembling molecules in atomix is hard. *Theor. Comput. Sci.*, 313(3):447–462, 2004.
- [235] Tamás Hornung and Sándor Vágvölgyi. Storage-to-tree transducers with look-head. *Theor. Comput. Sci.*, 329(1-3):115–158, 2004.
- [236] S. Howse and R.J. Nowakowski. Periodicity and arithmetic-periodicity in hexadecimal games. *Theor. Comput. Sci.*, 313(3):463–472, 2004.
- [237] Hejiao Huang, To-yat Cheung, and Wai Ming Mak. Structure and behavior preservation by petri-net-based refinements in system design. *Theor. Comput. Sci.*, 328(3):245–269, 2004.
- [238] Jesse Hughes and Bart Jacobs. Simulations in coalgebra. *Theor. Comput. Sci.*, 327(1-2):71–108, 2004.
- [239] Katherine Humphreys and Heinrich Niederhausen. Counting lattice paths taking steps in infinitely many directions under special access restrictions. *Theor. Comput. Sci.*, 319(1-3):385–409, 2004.
- [240] Markus Hunziker, António Machiavelo, and Jihun Park. Chebyshev polynomials over finite fields and reversibility of σ -automata on square grids. *Theor. Comput. Sci.*, 320(2-3):465–483, 2004.
- [241] Oscar H. Ibarra. On the computational complexity of membrane systems. *Theor. Comput. Sci.*, 320(1):89–109, 2004.
- [242] Oscar H. Ibarra and Zhe Dang. On two-way fa with monotonic counters and quadratic diophantine equations. *Theor. Comput. Sci.*, 312(2-3):359–378, 2004.
- [243] Oscar H. Ibarra, Zhe Dang, and Omer Egecioglu. Catalytic p systems, semilinear sets, and vector addition systems. *Theor. Comput. Sci.*, 312(2-3):379–399, 2004.

- [244] Atsushi Igarashi and Naoki Kobayashi. A generic type system for the π -calculus. *Theor. Comput. Sci.*, 311(1-3):121–163, 2004.
- [245] Sanjay Jain and Frank Stephan. Learning how to separate. *Theor. Comput. Sci.*, 313(2):209–228, 2004.
- [246] Svante Janson, Stefano Lonardi, and Wojciech Szpankowski. On average sequence complexity. *Theor. Comput. Sci.*, 326(1-3):213–227, 2004.
- [247] Alan Jeffrey and Julian Rathke. A theory of bisimulation for a fragment of concurrent ml with local names. *Theor. Comput. Sci.*, 323(1-3):1–48, 2004.
- [248] Predrag R. Jelenković and Ana Radovanović. Least-recently-used caching with dependent requests. *Theor. Comput. Sci.*, 326(1-3):293–327, 2004.
- [249] Oliver Jenkinson and Luca Q. Zamboni. Characterisations of balanced words via orderings. *Theor. Comput. Sci.*, 310(1-3):247–271, 2004.
- [250] Li Jiao, To-Yat Cheung, and Weiming Lu. On liveness and boundedness of asymmetric choice nets. *Theor. Comput. Sci.*, 311(1-3):165–197, 2004.
- [251] Felix Joachimski. Confluence of the coinductive λ -calculus. *Theor. Comput. Sci.*, 311(1-3):105–119, 2004.
- [252] Peter Jonsson and Andrei Krokhin. Recognizing frozen variables in constraint satisfaction problems. *Theor. Comput. Sci.*, 329(1-3):93–113, 2004.
- [253] Yuri Kalnishkan, Volodya Vovk, and Michael V. Vyugin. Loss functions, complexities, and the legendre transformation. *Theor. Comput. Sci.*, 313(2):195–207, 2004.
- [254] Liying Kang, Moo Young Sohn, and T.C.E. Cheng. Paired-domination in inflated graphs. *Theor. Comput. Sci.*, 320(2-3):485–494, 2004.
- [255] Igor Kaporin. The aggregation and cancellation techniques as a practical tool for faster matrix multiplication. *Theor. Comput. Sci.*, 315(2-3):469–510, 2004.

- [256] Georg Karner. Continuous monoids and semirings. *Theor. Comput. Sci.*, 318(3):355–372, 2004.
- [257] Yoshiyuki Karuno and Hiroshi Nagamochi. An approximability result of the multi-vehicle scheduling problem on a path with release and handling times. *Theor. Comput. Sci.*, 312(2-3):267–280, 2004.
- [258] F. Katrutzke, W. Merzenich, and M. Thomas. Enhancements of partitioning techniques for image compression using weighted finite automata. *Theor. Comput. Sci.*, 313(1):133–144, 2004.
- [259] Kevin T. Kelly. Uncomputability: The problem of induction internalized. *Theor. Comput. Sci.*, 317(1-3):227–249, 2004.
- [260] André Kempe. Extraction and recoding of input- ε -cycles. *Theor. Comput. Sci.*, 313(1):145–158, 2004.
- [261] Alexander Kesselman and Yishay Mansour. Harmonic buffer management policy for shared memory switches. *Theor. Comput. Sci.*, 324(2-3):161–182, 2004.
- [262] A.J. Kfoury and J.B. Wells. Principality and type inference for intersection types using expansion variables. *Theor. Comput. Sci.*, 311(1-3):1–70, 2004.
- [263] Tien D. Kieu. Hypercomputation with quantum adiabatic processes. *Theor. Comput. Sci.*, 317(1-3):93–104, 2004.
- [264] Jae-Hoon Kim and Kyung-Yong Chwa. Scheduling broadcasts with deadlines. *Theor. Comput. Sci.*, 325(3):479–488, 2004.
- [265] Marcos Kiwi and Alexander Russell. The chilean highway problem. *Theor. Comput. Sci.*, 326(1-3):329–342, 2004.
- [266] Martin Klazar. On the least exponential growth admitting uncountably many closed permutation classes. *Theor. Comput. Sci.*, 321(2-3):271–281, 2004.
- [267] Ines Klimann, Sylvain Lombardy, Jean Mairesse, and Christophe Prieur. Deciding unambiguity and sequentiality from a finitely ambiguous max-plus automaton. *Theor. Comput. Sci.*, 327(3):349–373, 2004.

- [268] Konečný. Real functions incrementally computable by finite automata. *Theor. Comput. Sci.*, 315(1):109–133, 2004.
- [269] Leonid Kontorovich. Uniquely decodable n -gram embeddings. *Theor. Comput. Sci.*, 329(1-3):271–284, 2004.
- [270] Michael Korn and Igor Pak. Tilings of rectangles with t -tetrominoes. *Theor. Comput. Sci.*, 319(1-3):3–27, 2004.
- [271] Elias Koutsoupias and David Scot Taylor. The cnn problem and other k -server variants. *Theor. Comput. Sci.*, 324(2-3):347–359, 2004.
- [272] Daniel Král’, Vladan Majerech, Jiří Sgall, Tomáš Tichý, and Gerhard Woeginger. It is tough to be a plumber. *Theor. Comput. Sci.*, 313(3):473–484, 2004.
- [273] L. Kristiansen and K.-H. Niggl. On the computational complexity of imperative programming languages. *Theor. Comput. Sci.*, 318(1-2):139–161, 2004.
- [274] Peter Kugel. Toward a theory of intelligence. *Theor. Comput. Sci.*, 317(1-3):13–30, 2004.
- [275] Michal Kunc. Undecidability of the trace coding problem and some decidable cases. *Theor. Comput. Sci.*, 310(1-3):393–456, 2004.
- [276] Eric H. Kuo. Applications of graphical condensation for enumerating matchings and tilings. *Theor. Comput. Sci.*, 319(1-3):29–57, 2004.
- [277] Clemens Kupke, Alexander Kurz, and Yde Venema. Stone coalgebras. *Theor. Comput. Sci.*, 327(1-2):109–134, 2004.
- [278] Dietrich Kuske and Ingmar Meinecke. Branching automata with costs — a way of reflecting parallelism in costs. *Theor. Comput. Sci.*, 328(1-2):53–75, 2004.
- [279] Martin Kutz. The complexity of boolean matrix root computation. *Theor. Comput. Sci.*, 325(3):373–390, 2004.
- [280] Yves Lafont. Soft linear logic and polynomial time. *Theor. Comput. Sci.*, 318(1-2):163–180, 2004.

- [281] Ron Lavi and Noam Nisan. Competitive analysis of incentive compatible on-line auctions. *Theor. Comput. Sci.*, 310(1-3):159–180, 2004.
- [282] Jimmie D. Lawson. Idempotent analysis and continuous semilattices. *Theor. Comput. Sci.*, 316(1-3):75–87, 2004.
- [283] Jimmie D. Lawson and Luoshan Xu. Posets having continuous intervals. *Theor. Comput. Sci.*, 316(1-3):89–103, 2004.
- [284] F. William Lawvere. Left and right adjoint operations on spaces and data types. *Theor. Comput. Sci.*, 316(1-3):105–111, 2004.
- [285] Daniel Leivant. Intrinsic reasoning about functional programs ii: Unipolar induction and primitive-recursion. *Theor. Comput. Sci.*, 318(1-2):181–196, 2004.
- [286] Ronny Lempel and Shlomo Moran. Competitive caching of query results in search engines. *Theor. Comput. Sci.*, 324(2-3):253–271, 2004.
- [287] Marina Lenisa, John Power, and Hiroshi Watanabe. Category theory for operational semantics. *Theor. Comput. Sci.*, 327(1-2):135–154, 2004.
- [288] Stefano Leonardi and Guido Schäfer. Cross-monotonic cost sharing methods for connected facility location games. *Theor. Comput. Sci.*, 326(1-3):431–442, 2004.
- [289] Hing Leung and Viktor Podolskiy. The limitedness problem on distance automata: Hashiguchi’s method revisited. *Theor. Comput. Sci.*, 310(1-3):147–158, 2004.
- [290] Keqin Li. Analysis of randomized load distribution for reproduction trees in linear arrays and rings. *Theor. Comput. Sci.*, 321(2-3):195–214, 2004.
- [291] Minming Li, Shawn L. Huang, Xiaoming Sun, and Xiao Huang. Performance evaluation for energy efficient topologic control in ad hoc wireless networks. *Theor. Comput. Sci.*, 326(1-3):399–408, 2004.
- [292] Fu-Rong Lin, Wai-Ki Ching, and Michael K. Ng. Fast inversion of triangular toeplitz matrices. *Theor. Comput. Sci.*, 315(2-3):511–523, 2004.

- [293] Sylvain Lombardy, Yann Régis-Gianas, and Jacques Sakarovitch. Introducing VAUCANSON. *Theor. Comput. Sci.*, 328(1-2):77–96, 2004.
- [294] Alejandro López-Ortiz and Sven Schuierer. On-line parallel heuristics, processor scheduling and robot searching under the competitive framework. *Theor. Comput. Sci.*, 310(1-3):527–537, 2004.
- [295] U. Lorenz and B. Monien. Error analysis in minimax trees. *Theor. Comput. Sci.*, 313(3):485–498, 2004.
- [296] Gavin Lowe. Semantic models for information flow. *Theor. Comput. Sci.*, 315(1):209–256, 2004.
- [297] Bruce J. MacLennan. Natural computation and non-turing models of computation. *Theor. Comput. Sci.*, 317(1-3):115–145, 2004.
- [298] Mila Majster-Cederbaum and Frank Salger. Towards the hierarchical verification of reactive systems. *Theor. Comput. Sci.*, 318(3):243–296, 2004.
- [299] Gregorio Malajovich and Maurice Rojas. High probability analysis of the condition number of sparse polynomial systems. *Theor. Comput. Sci.*, 315(2-3):525–555, 2004.
- [300] Andreas Malcher. Minimizing finite automata is computationally hard. *Theor. Comput. Sci.*, 327(3):375–390, 2004.