## References

- Pieter Adriaans. Between order and chaos: The quest for meaningful information. *Theory of Computing Systems*, 45(4):650–674, 2009. formerly Mathematical Systems Theory.
- [2] Kunal Agrawal, Michael A. Bender, and Jeremy T. Fineman. The worst page-replacement policy. *Theory of Computing Systems*, 44(2):175–185, 2009. formerly Mathematical Systems Theory.
- [3] Eric Allender, David A. Mix Barrington, Tanmoy Chakraborty, Samir Datta, and Sambuddha Roy. Planar and grid graph reachability problems. *Theory of Computing Systems*, 45(4):675–723, 2009. formerly Mathematical Systems Theory.
- [4] Noga Alon, Baruch Awerbuch, Yossi Azar, and Boaz Patt-Shamir. Tell me who i am: An interactive recommendation system. *Theory of Computing Systems*, 45(2):261–279, 2009. formerly Mathematical Systems Theory.
- [5] Helmut Alt, Hans Bodlaender, Marc van Kreveld, Günter Rote, and Gerard Tel. Wooden geometric puzzles: Design and hardness proofs. *Theory of Computing Systems*, 44(2):160–174, 2009. formerly Mathematical Systems Theory.
- [6] Luís Antunes and Lance Fortnow. Sophistication revisited. Theory of Computing Systems, 45(1):150–161, 2009. formerly Mathematical Systems Theory.
- [7] Luís Antunes, Armando Matos, André Souto, and Paul Vitáni. Depth as randomness deficiency. *Theory of Computing Systems*, 45(4):724–739, 2009. formerly Mathematical Systems Theory.
- [8] Stavros Athanassopoulos, Ioannis Caragiannis, and Christos Kaklamanis. Analysis of approximation algorithms for k-set cover using factorrevealing linear programs. *Theory of Computing Systems*, 45(3):555–576, 2009. formerly Mathematical Systems Theory.
- [9] Baruch Awerbuch and Christian Scheideler. Towards a scalable and robust dht. *Theory of Computing Systems*, 45(2):234–260, 2009. formerly Mathematical Systems Theory.

- [10] Amotz Bar-Noy, Mordecai J. Golin, and Yan Zhang. Online dynamic programming speedups. *Theory of Computing Systems*, 45(3):429–445, 2009. formerly Mathematical Systems Theory.
- [11] Michael Bauland and Edith Hemaspaandra. Isomorphic implication. Theory of Computing Systems, 44(1):117–139, 2009. formerly Mathematical Systems Theory.
- [12] Nicolas Bedon, Alexis Bès, Olivier Carton, and Chloé Rispal. Logic and rational languages of words inexed by linear orderings. *Theory* of Computing Systems, 44(4):737–760, 2009. formerly Mathematical Systems Theory.
- [13] Laurent Bienvenu, David Doty, and Frank Stephan. Constructive dimension and turing degrees. *Theory of Computing Systems*, 45(4):740–755, 2009. formerly Mathematical Systems Theory.
- [14] F. Blanchet-Sadri, N.C. Brownstein, Andy Kalcic, Justin Palumbo, and T. Weynand. Unavoidable sets of partial words. *Theory of Computing* Systems, 45(2):381–406, 2009. formerly Mathematical Systems Theory.
- [15] Markus Bläser, Holger Dell, and Johann A. Makowsky. Complexity of the bollobás-riordan polynomial. exceptional points and uniform reuctions. *Theory of Computing Systems*, 44(4):690–706, 2009. formerly Mathematical Systems Theory.
- [16] Maria Blesa, Daniel Calzada, Antonio Fernández, Luis López, Andrés L. Martínez, Agustín Santos, Maria Serna, and Christopher Thraves. Adversarial queueing model for continuous network dynamics. *Theory of Computing Systems*, 44(3):304–331, 2009. formerly Mathematical Systems Theory.
- [17] Paolo Boldi, Chierichetti, Flavio, and Sebastiano Vigna. Pictures from mongolia. extracting the top elements from a partially ordered set. *Theory of Computing Systems*, 44(2):269–288, 2009. formerly Mathematical Systems Theory.
- [18] Vincenzo Bonifaci and Leen Stougie. Online k-server routing problems. Theory of Computing Systems, 45(3):470–485, 2009. formerly Mathematical Systems Theory.

- [19] Jin-Yi Cai, Vinay Choudhary, and Pinyan Lu. On the theory of matchgate computations. *Theory of Computing Systems*, 45(1):108–132, 2009. formerly Mathematical Systems Theory.
- [20] John Case. Resource restricted computability theoretic learning: Illustrative topics and problems. *Theory of Computing Systems*, 45(4):773– 786, 2009. formerly Mathematical Systems Theory.
- [21] John Case and Samuel E. Moelius. Characterizing programming systems allowing program self-reference. *Theory of Computing Systems*, 45(4):756–772, 2009. formerly Mathematical Systems Theory.
- [22] Timothy M. Chan and Hamid Zarrabi-Zadeh. A randomized algorithm for online unit clustering. *Theory of Computing Systems*, 45(3):486–496, 2009. formerly Mathematical Systems Theory.
- [23] Ho-Lin Chen and Tim Roughgarden. Network design with weighted players. *Theory of Computing Systems*, 45(2):302–324, 2009. formerly Mathematical Systems Theory.
- [24] Giovanni Chiola, Gennaro Cordasco, Luisa Gargano, Mikael Hammar, Alberto Negro, and et al. Degree-optimal routing for p2p systems. *Theory of Computing Systems*, 45(1):43–63, 2009. formerly Mathematical Systems Theory.
- [25] S. Barry Cooper, Elvira Mayordomo, and Andrea Sorbi. Computation and logic in the real world: Cie 2007. *Theory of Computing Systems*, 45(4):647–649, 2009. formerly Mathematical Systems Theory.
- [26] Jack Jie Dai. An outer-measure approach for resource-bounded measure. Theory of Computing Systems, 45(1):64–73, 2009. formerly Mathematical Systems Theory.
- [27] Nilesh Dalvi. Query evaluation on a database given by a random graph. Theory of Computing Systems, 44(4):503–532, 2009. formerly Mathematical Systems Theory.
- [28] Norman Danner and James S. Royer. Two algorithms in search of a typesystem. *Theory of Computing Systems*, 45(4):787–821, 2009. formerly Mathematical Systems Theory.

- [29] Aparna Das and Claire Kenyon-Mathieu. On hierarchical diameterclustering and the supplier problem. *Theory of Computing Systems*, 45(3):497–511, 2009. formerly Mathematical Systems Theory.
- [30] Mark de Berg, Cabello, and Sariel Har-Peled. Covering many or few points with unit disks. *Theory of Computing Systems*, 45(3):446–469, 2009. formerly Mathematical Systems Theory.
- [31] Giuseppe Di Battista, Fabrizio Frati, and Maurizio Patrignani. On embedding a graph in the grid with the maximum number of bends and other bad features. *Theory of Computing Systems*, 44(2):143–159, 2009. formerly Mathematical Systems Theory.
- [32] Michael Domaratzki. Hairpin structures defined by dna trajectories. Theory of Computing Systems, 44(3):432–454, 2009. formerly Mathematical Systems Theory.
- [33] Sebastian Dörn. Quantum algorithms for matching problems. *Theory* of Computing Systems, 45(3):613–628, 2009. formerly Mathematical Systems Theory.
- [34] Leah Epstein, Rob van Stee, and Tami Tamir. Paging with request sets. Theory of Computing Systems, 44(1):67–81, 2009. formerly Mathematical Systems Theory.
- [35] Thomas Erlebach and Christos Kaklamanis. Waoa 2006 special issue of tocs. *Theory of Computing Systems*, 45(3):427–428, 2009. formerly Mathematical Systems Theory.
- [36] Michael Fellows, Daniel Lokshtanov, Neeldhara Misra, Matthias Mnich, Frances Rosamond, and Saket Saurabh. The complexity ecology of parameters: An illustration using bounded max leaf number. *Theory of Computing Systems*, 45(4):822–848, 2009. formerly Mathematical Systems Theory.
- [37] Stephen Fenner, William Gasarch, and Brian Postow. The complexity of finding subseq(a). *Theory of Computing Systems*, 45(3):577–612, 2009. formerly Mathematical Systems Theory.

- [38] Jiří Fiala and Daniël Paulusma. Comparing universal covers in polynomial time. *Theory of Computing Systems*, 44(4):620–635, 2009. formerly Mathematical Systems Theory.
- [39] Uffe Flarup and Laurent Lyaudet. On the expressive power of permanents and perfect matchings of matrices of bounded pathwidth/cliquewidth. *Theory of Computing Systems*, 44(4):761–791, 2009. formerly Mathematical Systems Theory.
- [40] Rudolf Fleischer. Die another day. Theory of Computing Systems, 44(2):205–214, 2009. formerly Mathematical Systems Theory.
- [41] Paola Flocchini, Andrzej Pelc, and Nicola Santoro. Fault-tolerant sequential scan. Theory of Computing Systems, 45(1):1–26, 2009. formerly Mathematical Systems Theory.
- [42] Wit Foryś and Piotr Oprocha. Infinite traces and symbolic dynamics. Theory of Computing Systems, 45(1):133–149, 2009. formerly Mathematical Systems Theory.
- [43] Katalin Friedl, Gábor Ivanyos, Miklos Santha, and Yves F. Verhoeven. On the black-box complexity of sperner's lemma. *Theory of Computing Systems*, 45(3):629–646, 2009. formerly Mathematical Systems Theory.
- [44] Matteo Frigo and Volker Strumpen. The cache complexity of multithreaded cache oblivious algorithms. *Theory of Computing Systems*, 45(2):203–233, 2009. formerly Mathematical Systems Theory.
- [45] Takuro Fukunaga and Hiroshi Nagamochi. Network design with edgeconnectivity and degree constraints. *Theory of Computing Systems*, 45(3):512–532, 2009. formerly Mathematical Systems Theory.
- [46] Zoltán Fülöp, Andreas Maletti, and Heiko Vogler. A kleene theorem for weighted tree automata over distributive multioperator monoids. *Theory* of Computing Systems, 44(3):455–499, 2009. formerly Mathematical Systems Theory.
- [47] Christian Glaßer and Stephen Travers. Machines that can output empty words. *Theory of Computing Systems*, 44(3):369–390, 2009. formerly Mathematical Systems Theory.

- [48] P. Brighten Godfrey and Richard M. Karp. On the price of heterogeneity in parallel systems. *Theory of Computing Systems*, 45(2):280–301, 2009. formerly Mathematical Systems Theory.
- [49] Ronen Gradwohl, Moni Naor, Benny Pinkas, and Guy N. Rothblum. Cryptographic and physical zero-knowledge proof systems for solutions of sudoku puzzles. *Theory of Computing Systems*, 44(2):245–268, 2009. formerly Mathematical Systems Theory.
- [50] Martin Grohe, Yuri Gurevich, Dirk Leinders, Nicole Schweikardt, Jerzy Tyszkiewicz, and Jan Van den Bussche. Database query processing using finite cursor machines. *Theory of Computing Systems*, 44(4):533–560, 2009. formerly Mathematical Systems Theory.
- [51] André Gronemeier and Martin Sauerhoff. Applying approximate counting for computing the frequency moments of long data streams. *Theory* of Computing Systems, 44(3):332–348, 2009. formerly Mathematical Systems Theory.
- [52] Tobias Harks, Stefan Heinz, and Marc E. Pfetsch. Competitive online multicommodity routing. *Theory of Computing Systems*, 45(3):533–554, 2009. formerly Mathematical Systems Theory.
- [53] Sun-Yuan Hsieh and Yu-Fen Weng. Fault-tolerant embedding of pairwise independent hamiltonian paths on a faulty hypercube with edge faults. *Theory of Computing Systems*, 45(2):407–425, 2009. formerly Mathematical Systems Theory.
- [54] Costas S. Iliopoulos and M. Sohel Rahman. A new efficient algorithm for computing the longest common subsequence. *Theory of Computing Systems*, 45(2):355–371, 2009. formerly Mathematical Systems Theory.
- [55] Kazuo Iwama, Eiji Myano, and Hirotaka Ono. Drawing borders efficiently. *Theory of Computing Systems*, 44(2):230–244, 2009. formerly Mathematical Systems Theory.
- [56] Sanjay Jain, Eric Martin, and Frank Stephan. Input-dependence in function-learning. *Theory of Computing Systems*, 45(4):849–864, 2009. formerly Mathematical Systems Theory.

- [57] Minghui Jiang. A linear-time algorithm for hamming distance with shifts. *Theory of Computing Systems*, 44(3):349–355, 2009. formerly Mathematical Systems Theory.
- [58] Tomasz Jurdziński. Probabilistic length-reducing two-pushdown automata. Theory of Computing Systems, 45(1):74–107, 2009. formerly Mathematical Systems Theory.
- [59] Sanpawat Kantabutra and Jakarin Chawachat. On embedding of a hypercube in a completely overlapping network. *Theory of Computing Systems*, 44(1):105–116, 2009. formerly Mathematical Systems Theory.
- [60] Michal Koucký. Circuit complexity of regular languages. Theory of Computing Systems, 45(4):865–879, 2009. formerly Mathematical Systems Theory.
- [61] Daniel Král'. Polynomial-size binary decision diagrams for the exactly half-d-hyperclique problem reading each input bit twice. *Theory of Computing Systems*, 45(1):27–42, 2009. formerly Mathematical Systems Theory.
- [62] Roman Kuznets. Self-referential justifications in epistemic logic. Theory of Computing Systems, 44(4):636–661, 2009. formerly Mathematical Systems Theory.
- [63] Andy Kwok and Chung Keung Poon. Two-dimensional packet classificatoon and filter conflict resolution in the internet. *Theory of Computing Systems*, 44(3):289–303, 2009. formerly Mathematical Systems Theory.
- [64] Ugo Dal Lago and Martin Hofmann. A semantic proof of polytime soundness of light affine logic. *Theory of Computing Systems*, 44(4):673– 689, 2009. formerly Mathematical Systems Theory.
- [65] Michael Lampis and Valia Mitsou. The ferry cover problem. Theory of Computing Systems, 44(2):215–229, 2009. formerly Mathematical Systems Theory.
- [66] François Le Gall. Exponential separation of quantum and classical online space complexity. *Theory of Computing Systems*, 45(2):188–202, 2009. formerly Mathematical Systems Theory.

- [67] Chung-Chih Li. Speed-up theorems in type-2 computations using oracle turing machines. *Theory of Computing Systems*, 45(4):880–896, 2009. formerly Mathematical Systems Theory.
- [68] Vladimir Lipets. Bounds on mincut for cayley graphs over abelian groups. *Theory of Computing Systems*, 45(2):372–380, 2009. formerly Mathematical Systems Theory.
- [69] Ami Litman and Shiri Moran-Schein. Smooth scheduling under variable rates or the analog-digital confinement game. *Theory of Computing* Systems, 45(2):325–354, 2009. formerly Mathematical Systems Theory.
- [70] Flaminia L. Luccio. Contiguous search problem in sierpiński graphs. Theory of Computing Systems, 44(2):186–204, 2009. formerly Mathematical Systems Theory.
- [71] Victor Luchangco, Mark Moir, and Nir Shavit. Nonblocking k-comparesingle-swap. Theory of Computing Systems, 44(1):39–66, 2009. formerly Mathematical Systems Theory.
- [72] Jerzy Marcinkowski and Piotr Wieczorek. Modulo constraints and the complexity of typechecking xml views. *Theory of Computing Systems*, 44(4):620–652, 2009. formerly Mathematical Systems Theory.
- [73] Alexander G. Melnikov. Enumerations and completely decomposable torsion-free abelian groups. *Theory of Computing Systems*, 45(4):897– 916, 2009. formerly Mathematical Systems Theory.
- [74] Takayuki Nagoya. Computing graph automorphism from partial solutions. Theory of Computing Systems, 44(3):356–368, 2009. formerly Mathematical Systems Theory.
- [75] Keisuke Nakano. Composing stack-attributed tree transducers. Theory of Computing Systems, 44(1):1–38, 2009. formerly Mathematical Systems Theory.
- [76] Martin Olsen. Nash stability in additively separable hedonic games and community structures. *Theory of Computing Systems*, 45(4):917–925, 2009. formerly Mathematical Systems Theory.

- [77] Mikael Onsjö and Osamu Watanabe. Erratum to "finding most likely solutions". Theory of Computing Systems, 45(4):943–943, 2009. formerly Mathematical Systems Theory; Originally in Theory of Computing Systems, Vol. 45, 2010, No. 4, 926-942.
- [78] Mikael Onsjö and Osamu Watanabe. Theory of computing systems (tocs) submission version finding most likely solutions. *Theory of Computing Systems*, 45(4):926–942, 2009. formerly Mathematical Systems Theory; see Erratum in Theory of Computing Systems, Vol. 45, 2010, No. 4, 943-943.
- [79] Alexandre Pinto. Comparing notions of computational entropy. Theory of Computing Systems, 45(4):944–962, 2009. formerly Mathematical Systems Theory.
- [80] Fábio Protti, Maise Dantas da Silva, and Jayme Luiz Szwarcfiter. Applying modular decomposition to parameterized cluster editing problems. *Theory of Computing Systems*, 44(1):91–104, 2009. formerly Mathematical Systems Theory.
- [81] Edward L. Robertson, Lawrence V. Saxton, Dirk Van Gucht, and Stijn Vansummeren. Structural recursion as a query language on lists and ordered trees. *Theory of Computing Systems*, 44(4):590–619, 2009. formerly Mathematical Systems Theory.
- [82] José Espírito Santo. The  $\lambda$ -calculus and the unity of structural proof theory. Theory of Computing Systems, 45(4):963–994, 2009. formerly Mathematical Systems Theory.
- [83] Yury Savateev. Undirectional lambek grammars in polynomial time. Theory of Computing Systems, 44(4):662–672, 2009. formerly Mathematical Systems Theory.
- [84] Detlef Sieling. Minimization problems for parity obdds. Theory of Computing Systems, 44(3):391–413, 2009. formerly Mathematical Systems Theory.
- [85] Balder ten Cate and Maarten Marx. Axiomatizing the logical core of xpath 2.0. Theory of Computing Systems, 44(4):561–589, 2009. formerly Mathematical Systems Theory.

- [86] George Tsaggouris and Christos Zaroliagis. Multiobjective optimization: Improved fptas for shortest paths and non-linear objectives with applications. *Theory of Computing Systems*, 45(1):162–186, 2009. formerly Mathematical Systems Theory.
- [87] Heribert Vollmer. The complexity of deciding if a boolean function can be computed by circuits over a restricted basis. *Theory of Computing Systems*, 44(1):82–90, 2009. formerly Mathematical Systems Theory.
- [88] Jiří Wiedermann and Lukáš Petrů. On the universal computing power of amorphous computing systems. *Theory of Computing Systems*, 45(4):995–1010, 2009. formerly Mathematical Systems Theory.
- [89] Mingyu Xiao. Simple and improved parameterized algorithms for multiterminal cuts. Theory of Computing Systems, 44(4):723–736, 2009. formerly Mathematical Systems Theory.
- [90] Yan-Hui Zhai and Kai-She Qu. On characteristics of information system homomorphisms. *Theory of Computing Systems*, 44(3):414–431, 2009. formerly Mathematical Systems Theory.
- [91] Marius Zimand. Two sources are better than one for increasing the kolmogorov complexity of infinite sequences. *Theory of Computing Systems*, 44(4):707–722, 2009. formerly Mathematical Systems Theory.