

References

- [1] Allani Abderrahim, El-Ghazali Talbi, and Mellouli Khaled. Hybridization of genetic and quantum algorithm for gene selection and classification of microarray data. *International Journal of Foundations of Computer Science*, 23(2):431–444, 2012.
- [2] Artiom Alhazov, Yurii Rogozhin, and Sergey Verlan. On small universal splicing systems. *International Journal of Foundations of Computer Science*, 23(7):1423–1438, 2012.
- [3] Pablo Arrighi and Gilles Dowek. The physical church-turing thesis and the principles of quantum theory. *International Journal of Foundations of Computer Science*, 23(5):1131–1145, 2012.
- [4] David Auger and Olivier Teytaud. The frontier of decidability in partially observable recursive games. *International Journal of Foundations of Computer Science*, 23(7):1439–1450, 2012.
- [5] Amir M. Ben-Amram and Lars Kristiansen. On the edge of decidability in complexity analysis of loop programs. *International Journal of Foundations of Computer Science*, 23(7):1451–1464, 2012.
- [6] Gilles Benattar, Béatrice Bérard, Didier Lime, John Mullins, Olivier H. Roux, and Mathieu Sassolas. Channel synthesis for finite transducers. *International Journal of Foundations of Computer Science*, 23(6):1241–1260, 2012.
- [7] Hammadi Bennoui, Allaoua Chaoui, and Kamel Barkaoui. On structural analysis of interacting behavioral petri nets for distributed causal model-based diagnosis. *International Journal of Foundations of Computer Science*, 23(7):1523–1541, 2012.
- [8] Bastian Bischoff, James Curry, and Dirk Nowotka. Unary patterns with involution. *International Journal of Foundations of Computer Science*, 23(8):1641–1652, 2012.
- [9] F. Blanchet-Sadri. Algorithmic combinatorics on partial words. *International Journal of Foundations of Computer Science*, 23(6):1189–1206, 2012.

- [10] Adilson Luiz Bonifacio, Arnaldo Vieira Moura, and Adenilso Simao. Model partitions and compact test case suites. *International Journal of Foundations of Computer Science*, 23(1):147–172, 2012.
- [11] Henning Bordihn, Martin Kutrib, and Andreas Malcher. On the computational capacity of parallel communicating finite automata. *International Journal of Foundations of Computer Science*, 23(3):713–732, 2012.
- [12] Azzedine Boukerche, Rodolfo Bezerra Batista, Alba Cristina Magalhaes Alves de Melo, Felipe Brandt Scarel, and Lavir Antonio Bahia Carvalho de Souza. Exact parallel alignment of megabase genomic sequences with tunable work distribution. *International Journal of Foundations of Computer Science*, 23(2):407–429, 2012.
- [13] Davide Bresolin, Pietro Sala, and Guido Sciavicco. On begins, meets and before. *International Journal of Foundations of Computer Science*, 23(3):559–583, 2012.
- [14] Luboš Brim and Jakub Chaloupka. Using strategy improvement to stay alive. *International Journal of Foundations of Computer Science*, 23(3):585–608, 2012.
- [15] Sabine Broda, António Machiavelo, Nelma Moreira, and Rogério Reis. On the average size of glushkov and partial derivative automata. *International Journal of Foundations of Computer Science*, 23(5):969–984, 2012.
- [16] Janusz Brzozowski, Baiyu Li, and Yuli Ye. On the complexity of the evaluation of transient extensions of boolean functions. *International Journal of Foundations of Computer Science*, 23(1):21–35, 2012.
- [17] Janusz Brzozowski and Bo Liu. Quotient complexity of star-free languages. *International Journal of Foundations of Computer Science*, 23(6):1261–1276, 2012.
- [18] Alain Bui, Abdurusul Kudiretti, and Devan Sohier. An adaptive random walk based distributed clustering algorithm. *International Journal of Foundations of Computer Science*, 23(4):803–830, 2012.

- [19] Péter Burcsi, Ferdinand Cicalese, Gabriele Fici, and Zsuzsanna Lipták. Algorithms for jumbled pattern matching in strings. *International Journal of Foundations of Computer Science*, 23(2):357–374, 2012.
- [20] Fabio Burderi. Full monoids and maximal codes. *International Journal of Foundations of Computer Science*, 23(8):1677–1690, 2012.
- [21] Mark Burgin. Decidability and universality in the axiomatic theory of computability and algorithms. *International Journal of Foundations of Computer Science*, 23(7):1465–1480, 2012.
- [22] Michaël Cadilhac, Alain Finkel, and Pierre McKenzie. Bounded parikh automata. *International Journal of Foundations of Computer Science*, 23(8):1691–1709, 2012.
- [23] Cristian S. Calude, Kai Salomaa, and Tania K. Roblot. State-size hierarchy for finite-state complexity. *International Journal of Foundations of Computer Science*, 23(1):37–50, 2012.
- [24] Matteo Campanelli, Domenico Cantone, Simone Faro, and Emanuele Giaquinta. Pattern matching with swaps in practice. *International Journal of Foundations of Computer Science*, 23(2):323–342, 2012.
- [25] Domenico Cantone, Simone Faro, and Emanuele Giaquinta. Adapting boyer-moore-like algorithms for searching huffman encoded texts. *International Journal of Foundations of Computer Science*, 23(2):343–356, 2012.
- [26] Émilie Charlier, Narad Rampersad, and Jeffrey Shallit. Enumeration and decidable properties of automatic sequences. *International Journal of Foundations of Computer Science*, 23(5):1035–1066, 2012.
- [27] Krishnendu Chatterjee and Rupak Majumdar. Discounting and averaging in games across time scales. *International Journal of Foundations of Computer Science*, 23(3):609–625, 2012.
- [28] Namitand Chaturvedi, Jörg Olschiewski, and Wolfgang Thomas. Languages versus ω -languages in regular infinite games. *International Journal of Foundations of Computer Science*, 23(5):985–1000, 2012.

- [29] Guaning Chen, Chih-Wei Yi, Min-Te Sun, Fang-Chu Liu, and Wei-Chi Lan. Minimum local disk cover sets for broadcasting in heterogeneous multihop wireless networks. *International Journal of Foundations of Computer Science*, 23(5):1147–1172, 2012.
- [30] Michalis Christou, Maxime Crochemore, and Costas S. Iliopoulos. Identifying all abelian periods of a string in quadratic time and relevant problems. *International Journal of Foundations of Computer Science*, 23(6):1371–1384, 2012.
- [31] Stefano Crespi Reghizzi and Pierluigi San Pietro. From regular to strictly locally testable languages. *International Journal of Foundations of Computer Science*, 23(8):1711–1727, 2012.
- [32] Maxime Crochemore, Laura Giambruno, and Alessio Langiu. On-line construction of a small automaton for a finite set of words. *International Journal of Foundations of Computer Science*, 23(2):281–301, 2012.
- [33] Bo Cui, Yuan Gao, Lila Kari, and Sheng Yu. State complexity of two combined operations: Catenation-star and catenation-reversal. *International Journal of Foundations of Computer Science*, 23(1):51–66, 2012.
- [34] Giovanna D’Agostino and Giacomo Lenzi. On modal μ -calculus over finite graphs with small components or small tree width. *International Journal of Foundations of Computer Science*, 23(3):627–647, 2012.
- [35] Volker Diekert and Alexei Myasnikov. Group extensions over infinite words. *International Journal of Foundations of Computer Science*, 23(5):1001–1019, 2012.
- [36] Egor Dolzhenko and Nataša Jonoska. Two-dimensional languages and cellular automata. *International Journal of Foundations of Computer Science*, 23(1):185–206, 2012.
- [37] Michael Domaratzki and Narad Rampersad. Abelian primitive words. *International Journal of Foundations of Computer Science*, 23(5):1021–1033, 2012.
- [38] Daniel Dombek. Substitutions over infinite alphabet generating $(-\beta)$ -integers. *International Journal of Foundations of Computer Science*, 23(8):1627–1639, 2012.

- [39] César Domínguez and Dominique Duval. A parameterization process: From a functorial point of view. *International Journal of Foundations of Computer Science*, 23(1):225–242, 2012.
- [40] Deshuai Dong, Longjiang Qu, Shaojing Fu, and Chao Li. New constructions of vectorial boolean functions with good cryptographic properties. *International Journal of Foundations of Computer Science*, 23(3):749–760, 2012.
- [41] Krystian Dudzinski and Stavros Konstantinidis. Formal descriptions of code properties: Decidability, complexity, implementation. *International Journal of Foundations of Computer Science*, 23(1):67–85, 2012.
- [42] Patrick Ediger and Rolf Hoffmann. Efficiency analysis of the time-shuffling method for the evolution of agent behavior. *International Journal of Foundations of Computer Science*, 23(2):523–542, 2012.
- [43] Andrzej Ehrenfeucht, Michael Main, Grzegorz Rozenberg, and Allison Thompson Brown. Stability and chaos in reaction systems. *International Journal of Foundations of Computer Science*, 23(5):1173–1184, 2012.
- [44] Zoltán Ésik. Ordinal automata and cantor normal form. *International Journal of Foundations of Computer Science*, 23(1):87–98, 2012.
- [45] Daniel Fajardo-Delgado, José Alberto Fernández-Zepeda, and Anu G. Bourgeois. Randomized self-stabilizing leader election in preference-based anonymous trees. *International Journal of Foundations of Computer Science*, 23(4):853–875, 2012.
- [46] Szilárd Zsolt Fazekas, Peter Leupold, and Kayoko Shikishima-Tsuji. On non-primitive palindromic context-free languages. *International Journal of Foundations of Computer Science*, 23(6):1277–1289, 2012.
- [47] John Fearnley and Martin Zimmermann. Playing muller games in a hurry. *International Journal of Foundations of Computer Science*, 23(3):649–668, 2012.
- [48] Olivier Finkel. Three applications to rational relations of the high undecidability of the infinite post correspondence problem in a regular

- ω -language. *International Journal of Foundations of Computer Science*, 23(7):1481–1497, 2012.
- [49] Frantisek Franek and Mei Jiang. Crochemore’s repetitions algorithm revisited: Computing runs. *International Journal of Foundations of Computer Science*, 23(2):389–401, 2012.
- [50] Oliver Friedmann and Martin Lange. Two local strategy iteration schemes for parity game solving. *International Journal of Foundations of Computer Science*, 23(3):669–685, 2012.
- [51] Yuan Gao and Sheng Yu. State complexity and approximation. *International Journal of Foundations of Computer Science*, 23(5):1085–1098, 2012.
- [52] Hugo Gimbert and Wiesław Zielonka. Blackwell optimal strategies in priority mean-payoff games. *International Journal of Foundations of Computer Science*, 23(3):687–711, 2012.
- [53] Wayne Goddard and Pradip K. Srimani. Self-stabilizing master-slave token circulation and efficient size-computation in a unidirectional ring of arbitrary size. *International Journal of Foundations of Computer Science*, 23(4):763–777, 2012.
- [54] Irina A. Gorbunova and Arseny M. Shur. On pansiot words avoiding 3-repetitions. *International Journal of Foundations of Computer Science*, 23(8):1583–1594, 2012.
- [55] Adam Gudyś and Sebastian Deorowicz. A parallel algorithm for the constrained multiple sequence alignment problem designed for gpus. *International Journal of Foundations of Computer Science*, 23(4):877–901, 2012.
- [56] Jana Hadravová and Štěpán Holoub. Large simple binary equality words. *International Journal of Foundations of Computer Science*, 23(6):1385–1403, 2012.
- [57] Ronny Harbich and Bianca Truthe. A comparison of the descriptive complexity of classes of limited lindenmayer systems: Part i. *International Journal of Foundations of Computer Science*, 23(1):99–114, 2012.

- [58] Julio Cesar Hernandez-Castro, Juan Manuel Estevez-Tapiador, Pedro Peris-Lopez, John A. Clark, and El-Ghazali Talbi. Metaheuristic traceability attack against slmap, an rfid lightweight authentication protocol. *International Journal of Foundations of Computer Science*, 23(2):543–553, 2012.
- [59] Markus Holzer, Sebastian Jakobi, and Martin Kutrib. The magic number problem for subregular language families. *International Journal of Foundations of Computer Science*, 23(1):115–131, 2012.
- [60] Juha Honkala. Equality sets of morphic word sequences. *International Journal of Foundations of Computer Science*, 23(8):1749–1766, 2012.
- [61] Liang Hu, Meng Zhang, Yi Zhang, and Jijun Tang. Label-guided graph exploration with adjustable ratio of labels. *International Journal of Foundations of Computer Science*, 23(4):903–929, 2012.
- [62] Oscar H. Ibarra and Shinnosuke Seki. Characterizations of bounded semilinear languages by one-way and two-way deterministic machines. *International Journal of Foundations of Computer Science*, 23(6):1291–1305, 2012.
- [63] Costas S. Iliopoulos, Mirka Miller, and Solon P. Pissis. Parallel algorithms for mapping short degenerate and weighted dna sequences to a reference genome. *International Journal of Foundations of Computer Science*, 23(2):249–259, 2012.
- [64] Shunsuke Inenaga and Hideo Bannai. Finding characteristic substrings from compressed texts. *International Journal of Foundations of Computer Science*, 23(2):261–280, 2012.
- [65] Lila Kari and Zhi Xu. de bruijn sequences revisited. *International Journal of Foundations of Computer Science*, 23(6):1307–1321, 2012.
- [66] Manfred Kufleitner and Alexander Lauser. Around dot-depth one. *International Journal of Foundations of Computer Science*, 23(6):1323–1339, 2012.
- [67] Chi-Jung Kuo, Chiun-Chieh Hsu, Hon-Ren Lin, and Da-Ren Chen. Minimum feedback arc sets in rotator and incomplete rotator graphs. *International Journal of Foundations of Computer Science*, 23(4):931–940, 2012.

- [68] Young Choon Lee, Javid Taheri, and Albert Y. Zomaya. A parallel metaheuristic framework based on harmony search for scheduling in distributed computing systems. *International Journal of Foundations of Computer Science*, 23(2):445–464, 2012.
- [69] Guoqiang Li, Xiaojuan Cai, and Shoji Yuen. Modeling and analysis of real-time systems with mutex components. *International Journal of Foundations of Computer Science*, 23(4):831–851, 2012.
- [70] Keqin Li. Performance analysis and evaluation of random walk algorithms on wireless networks. *International Journal of Foundations of Computer Science*, 23(4):779–802, 2012.
- [71] Keqin Li. Probing high-capacity peers to reduce download times in p2p file sharing systems with stochastic service capacities. *International Journal of Foundations of Computer Science*, 23(6):1341–1369, 2012.
- [72] Chung-Shou Liao and Louxin Zhang. Approximating the spanning k -tree forest problem. *International Journal of Foundations of Computer Science*, 23(7):1543–1554, 2012.
- [73] Lakhdar Loukil, Malika Mehdi, Nouredine Melab, El-Ghazali Talbi, and Pascal Bouvry. Parallel hybrid genetic algorithms for solving q3ap on computational grid. *International Journal of Foundations of Computer Science*, 23(2):483–500, 2012.
- [74] Kalpana Mahalingam and K.G. Subramanian. Product of parikh matrices and commutativity. *International Journal of Foundations of Computer Science*, 23(1):207–223, 2012.
- [75] Andreas Maletti and Daniel Quernheim. Unweighted and weighted hyper-minimization. *International Journal of Foundations of Computer Science*, 23(6):1207–1225, 2012.
- [76] Alexander Meduna and Petr Zemek. Jumping finite automata. *International Journal of Foundations of Computer Science*, 23(7):1555–1578, 2012.
- [77] Klaus Meer. Some initial thoughts on bounded query computations over the reals. *International Journal of Foundations of Computer Science*, 23(7):1499–1510, 2012.

- [78] Yunyun Niu, K.G. Subramanian, Ibrahim Venkat, and Rosni Abdullah. A tissue p system based solution to quadratic assignment problem. *International Journal of Foundations of Computer Science*, 23(7):1511–1522, 2012.
- [79] Edita Pelantová and Štěpán Starosta. Almost rich words as morphic images of rich words. *International Journal of Foundations of Computer Science*, 23(5):1067–1083, 2012.
- [80] Elena A. Petrova and Arseny M. Shur. Constructing premaximal binary cube-free words of any level. *International Journal of Foundations of Computer Science*, 23(8):1595–1609, 2012.
- [81] Marcin Piatkowski and Wojciech Rytter. Asymptotic behaviour of the maximal number of squares in standard sturmian words. *International Journal of Foundations of Computer Science*, 23(2):303–321, 2012.
- [82] Jean-Éric Pin. Equational descriptions of languages. *International Journal of Foundations of Computer Science*, 23(6):1227–1240, 2012.
- [83] Przemyslaw Prusinkiewicz, Mitra Shirmohammadi, and Faramarz Samavati. L-systems in geometric modeling. *International Journal of Foundations of Computer Science*, 23(1):133–146, 2012.
- [84] Desh Ranjan and Mohammad Zubair. Vertex isoperimetric parameter of a computation graph. *International Journal of Foundations of Computer Science*, 23(4):941–964, 2012.
- [85] A.C. Cem Say and Abuzer Yakaryilmaz. Quantum counter automata. *International Journal of Foundations of Computer Science*, 23(5):1099–1116, 2012.
- [86] Luke Schaeffer and Jeffrey Shallit. The critical exponent is computable for automatic sequences. *International Journal of Foundations of Computer Science*, 23(8):1611–1626, 2012.
- [87] Marcin Seredynski and Pascal Bouvry. Direct reciprocity-based cooperation in mobile ad hoc networks. *International Journal of Foundations of Computer Science*, 23(2):501–521, 2012.

- [88] Sebastian Smyczyński. Constant-memory iterative generation of special strings representing binary trees. *International Journal of Foundations of Computer Science*, 23(2):375–387, 2012.
- [89] Piotr Switalski and Franciszek Seredynski. An effective multiprocessor scheduling with use of geo metaheuristic. *International Journal of Foundations of Computer Science*, 23(2):465–481, 2012.
- [90] Yuechuan Wei, Chao Li, and Dan Cao. Improved related-key rectangle attack on the full has-160 encryption mode. *International Journal of Foundations of Computer Science*, 23(3):733–747, 2012.
- [91] Steven Widmer. Permutation complexity and the letter doubling map. *International Journal of Foundations of Computer Science*, 23(8):1653–1675, 2012.
- [92] Orly Yahalom. Testing for forbidden posets in ordered rooted forests. *International Journal of Foundations of Computer Science*, 23(6):1405–1417, 2012.
- [93] Shenggen Zheng, Daowen Qiu, and Lvzhou Li. Some languages recognized by two-way finite automata with quantum and classical states. *International Journal of Foundations of Computer Science*, 23(5):1117–1129, 2012.
- [94] Junping Zhou, Minghao Yin, Xiangtao Li, and Jinyan Wang. Phase transitions of expspace-complete problems: A further step. *International Journal of Foundations of Computer Science*, 23(1):173–184, 2012.
- [95] Shuming Zhou, Lanxiang Chen, and Jun-Ming Xu. Conditional fault diagnosability of dual-cubes. *International Journal of Foundations of Computer Science*, 23(8):1729–1747, 2012.