References

- [1] Parosh Aziz Abdulla, Giorgio Delzanno, and Ahmed Rezine. Automatic verification of directory-based consistency protocols with graph constraints. *International Journal of Foundations of Computer Science*, 22(4):761–782, 2011.
- [2] Hamed M.K. Alazemi and Anton Černý. Counting subwords using a trie automaton. *International Journal of Foundations of Computer Science*, 22(6):1457–1469, 2011.
- [3] Artiom Alhazov, Marian Kogler, Maurice Margenstern, Yurii Rogozhin, and Sergey Verlan. Small universal tvdh and test tube systems. *International Journal of Foundations of Computer Science*, 22(1):143–154, 2011.
- [4] Cyril Allauzen, Corinna Cortes, and Mehryar Mohri. A dual coordinate descent algorithm for svms combined with rational kernels. *International Journal of Foundations of Computer Science*, 22(8):1761–1779, 2011.
- [5] Cyril Allauzen, Mehryar Mohri, and Ashish Rastogi. General algorithms for testing the ambiguity of finite automata and the double-tape ambiguity of finite-state transducers. *International Journal of Foundations of Computer Science*, 22(4):883–904, 2011.
- [6] Cyril Allauzen, Michael Riley, and Johan Schalkwyk. A filter-based algorithm for efficient composition of finite-state transducers. *Interna*tional Journal of Foundations of Computer Science, 22(8):1781–1795, 2011.
- [7] Emmanuelle Anceaume, Francisco Brasileiro, Romaric Ludinard, Bruno Sericola, and Frédéric Tronel. Dependability evaluation of cluster-based distributed systems. *International Journal of Foundations of Computer Science*, 22(5):1123–1142, 2011.
- [8] Yuichi Asahiro, Jesper Jansson, Eiji Miyano, and Hirotaka Ono. Graph orientation to maximize the minimum weighted outdegree. *International Journal of Foundations of Computer Science*, 22(3):583–601, 2011.

- [9] Radu-Florian Atanasiu. Erratum to "parikh matrix mapping and languages". *International Journal of Foundations of Computer Science*, 22(1):273–273, 2011. Originally in International Journal of Foundations of Computer Science, Vol. 21, 2010, No. 6, 993-1004.
- [10] Mohamed Faouzi Atig and Peter Habermehl. On yen's path logic for petri nets. *International Journal of Foundations of Computer Science*, 22(4):783–799, 2011.
- [11] Aysun Aytaç and Zeynep Nihan Odabaş. Residual closeness of wheels and related networks. *International Journal of Foundations of Computer Science*, 22(5):1229–1240, 2011.
- [12] Aysun Aytac and Tufan Turaci. Vertex vulnerability parameter of gear graphs. *International Journal of Foundations of Computer Science*, 22(5):1187–1195, 2011.
- [13] Roberto Barbuti, Andrea Maggiolo-Schettini, Paolo Milazzo, and Simone Tini. An overview on operational semantics in membrane computing. *International Journal of Foundations of Computer Science*, 22(1):119–131, 2011.
- [14] Lali Barrière, Paola Flocchini, Eduardo Mesa-Barrameda, and Nicola Santoro. Uniform scattering of autonomous mobile robots in a grid. *International Journal of Foundations of Computer Science*, 22(3):679–697, 2011.
- [15] Marie-Pierre Béal, Mikhail V. Berlinkov, and Dominique Perrin. A quadratic upper bound on the size of a synchronizing word in one-cluster automata. *International Journal of Foundations of Computer Science*, 22(2):277–288, 2011.
- [16] Anne Benoit, Veronika Rehn-Sonigo, Yves Robert, and Henri Casanova. Resource allocation strategies for constructive in-network stream processing. *International Journal of Foundations of Computer Science*, 22(3):621–638, 2011.
- [17] Mikhail V. Berlinkov. On a conjecture by carpi and d'alessandro. International Journal of Foundations of Computer Science, 22(7):1565– 1576, 2011.

- [18] Alberto Bertoni, Christian Choffrut, and Roberto Radicioni. The inclusion problem of context-free languages: Some tractable cases. *International Journal of Foundations of Computer Science*, 22(2):289–299, 2011.
- [19] Daniela Besozzi, Paolo Cazzaniga, Stefania Cocolo, Giancarlo Mauri, and Dario Pescini. Modeling diffusion in a signal transduction pathway: The use of virtual volumes in p systems. *International Journal of Foundations of Computer Science*, 22(1):89–96, 2011.
- [20] J.C. Birget. On the circuit-size of inverses. *International Journal of Foundations of Computer Science*, 22(8):1925–1938, 2011.
- [21] S.L. Bloom and Z. Ésik. Algebraic linear orderings. *International Journal of Foundations of Computer Science*, 22(2):491–515, 2011.
- [22] Henning Bordihn, Martin Kutrib, and Andreas Malcher. Undecidability and hierarchy results for parallel communicating finite automata. *International Journal of Foundations of Computer Science*, 22(7):1577–1592, 2011.
- [23] Marin Bougeret, Pierre-François Dutot, Alfredo Goldman, Yanik Ngoko, and Denis Trystram. Approximating the discrete resource sharing scheduling problem. *International Journal of Foundations of Com*puter Science, 22(3):639–656, 2011.
- [24] Robert Brijder, Andrzej Ehrenfeucht, Michael Main, and Grzegorz Rozenberg. A tour of reaction systems. *International Journal of Foundations of Computer Science*, 22(7):1499–1517, 2011.
- [25] Sabine Broda, António Machiavelo, Nelma Moreira, and Rogério Reis. On the average state complexity of partial derivative automata: An analytic combinatorics approach. *International Journal of Foundations of Computer Science*, 22(7):1593–1606, 2011.
- [26] Janusz Brzozowski, Elyot Grant, and Jeffrey Shallit. Closures in formal languages and kuratowski's theorem. *International Journal of Foundations of Computer Science*, 22(2):301–321, 2011.

- [27] Lilya Budaghyan and Tor Helleseth. On isotopisms of commutative presemifields and ccz-equivalence of functions. *International Journal of Foundations of Computer Science*, 22(6):1243–1258, 2011.
- [28] Csilla Bujtás, György Dósa, Csanád Imreh, Judit Nagy-György, and Zsolt Tuza. The graph-bin packing problem. *International Journal of Foundations of Computer Science*, 22(8):1971–1993, 2011.
- [29] Cristian S. Calude, Matteo Cavaliere, and Radu Mardare. An observer-based de-quantisation of deutsch's algorithm. *International Journal of Foundations of Computer Science*, 22(1):191–201, 2011.
- [30] Claude Carlet. More vectorial boolean functions with unbounded non-linearity profile. *International Journal of Foundations of Computer Science*, 22(6):1259–1269, 2011.
- [31] Fabienne Carrier, Stéphane Devismes, Franck Petit, and Yvan Rivierre. Asymptotically optimal deterministic rendezvous. *International Journal of Foundations of Computer Science*, 22(5):1143–1159, 2011.
- [32] Julien Cassaigne, Gwénaël Richomme, Kalle Saari, and Luca Q. Zamboni. Avoiding abelian powers in binary words with bounded abelian complexity. *International Journal of Foundations of Computer Science*, 22(4):905–920, 2011.
- [33] Danny Z. Chen and Haitao Wang. Processing an offline insertion-query sequence with applications. *International Journal of Foundations of Computer Science*, 22(6):1439–1456, 2011.
- [34] Pieter Collins and Ivan S. Zapreev. Computable semantics for ctl* on discrete-time and continuous-space dynamic systems. *International Journal of Foundations of Computer Science*, 22(4):801–821, 2011.
- [35] Erzsébet Csuhaj-Varjú, Marion Oswald, and György Vaszil. Pc grammar systems with clusters of components. *International Journal of Foundations of Computer Science*, 22(1):203–212, 2011.
- [36] Bo Cui, Yuan Gao, Lila Kari, and Sheng Yu. State complexity of two combined operations: Catenation-union and catenation-intersection. *International Journal of Foundations of Computer Science*, 22(8):1797– 1812, 2011.

- [37] Artur Czumaj, Jurek Czyzowicz, Leszek Gąsieniec, Jesper Jansson, Andrzej Lingas, and Pawel Zylinski. Approximation algorithms for buy-at-bulk geometric network design. *International Journal of Foundations of Computer Science*, 22(8):1949–1969, 2011.
- [38] Mark Daley, Lila Kari, Shinnosuke Seki, and Petr Sosìk. Orthogonal shuffle on trajectories. *International Journal of Foundations of Computer Science*, 22(1):213–222, 2011.
- [39] Chavdar Dangalchev. Residual closeness and generalized closeness. *International Journal of Foundations of Computer Science*, 22(8):1939–1948, 2011.
- [40] Jürgen Dassow and György Vaszil. On the number of active symbols in lindenmayer systems. *International Journal of Foundations of Computer Science*, 22(1):223–235, 2011.
- [41] Ajoy K. Datta, Stéphane Devismes, Florian Horn, and Lawrence L. Larmore. Self-stabilizing k-out-of- ℓ exclusion in tree networks. *International Journal of Foundations of Computer Science*, 22(3):657–677, 2011.
- [42] Volker Diekert and Steffen Kopecki. It is nl-complete to decide whether a hairpin completion of regular languages is regular. *International Journal of Foundations of Computer Science*, 22(8):1813–1828, 2011.
- [43] Shlomi Dolev, Yuval Elovici, Alex Kesselman, and Polina Zilberman. Trawling traffic under attack overcoming ddos attacks by target-controlled traffic filtering. *International Journal of Foundations of Computer Science*, 22(5):1073–1098, 2011.
- [44] Manfred Droste and Ingmar Meinecke. Weighted automata and regular expressions over valuation monoids. *International Journal of Foundations of Computer Science*, 22(8):1829–1844, 2011.
- [45] Andrzej Ehrenfeucht, Michael Main, and Grzegorz Rozenberg. Functions defined by reaction systems. *International Journal of Foundations of Computer Science*, 22(1):167–178, 2011.

- [46] Zoltán Ésik and Andreas Maletti. The category of simulations for weighted tree automata. *International Journal of Foundations of Computer Science*, 22(8):1845–1859, 2011.
- [47] Szilárd Zsolt Fazekas. Powers of regular languages. *International Journal of Foundations of Computer Science*, 22(2):323–330, 2011.
- [48] Keqin Feng and Jing Yang. Vectorial boolean functions with good cryptographic properties. *International Journal of Foundations of Computer Science*, 22(6):1271–1282, 2011.
- [49] Xiutao Feng, Zhenqing Shi, Chuankun Wu, and Dengguo Feng. On guess and determine analysis of rabbit. *International Journal of Foundations of Computer Science*, 22(6):1283–1296, 2011.
- [50] Sylvia Friese, Helmut Seidl, and Sebastian Maneth. Earliest normal form and minimization for bottom-up tree transducers. *International Journal of Foundations of Computer Science*, 22(7):1607–1623, 2011.
- [51] Pierluigi Frisco and Hendrik Jan Hoogeboom. P systems and topology: Some suggestions for research. *International Journal of Foundations of Computer Science*, 22(1):179–190, 2011.
- [52] Akihiro Fujiwara and Takeshi Tateishi. Logic and arithmetic operations with a constant number of steps in membrane computing. *International Journal of Foundations of Computer Science*, 22(3):547–564, 2011.
- [53] Zsolt Gazdag and Zoltán L. Németh. A kleene theorem for bisemigroup and binoid languages. *International Journal of Foundations of Computer Science*, 22(2):427–446, 2011.
- [54] Dora Giammarresi. Exploring inside tiling recognizable picture languages to find deterministic subclasses. *International Journal of Foundations of Computer Science*, 22(7):1519–1532, 2011.
- [55] Mark Goresky and Andrew Klapper. Statistical properties of the arithmetic correlation of sequences. *International Journal of Foundations of Computer Science*, 22(6):1297–1315, 2011.
- [56] Markus Grassl, Martin Rötteler, and Thomas Beth. Efficient quantum circuits for non-qubit quantum error-correcting codes. *International Journal of Foundations of Computer Science*, 14(5):757–775, 2003.

- [57] Vesa Halava and Štěpá Holub. Reduction tree of the binary generalized post correspondence problem. *International Journal of Foundations of Computer Science*, 22(2):473–490, 2011.
- [58] Yo-Sub Han and Kai Salomaa. Overlap-free languages and solid codes. *International Journal of Foundations of Computer Science*, 22(5):1197–1209, 2011.
- [59] Tom Head. Computing with light: Toward parallel boolean algebra. *International Journal of Foundations of Computer Science*, 22(7):1625–1637, 2011.
- [60] Thomas Henzinger, Barbara Jobstmann, and Verena Wolf. Formalisms for specifying markovian population models. *International Journal of Foundations of Computer Science*, 22(4):823–841, 2011.
- [61] Štěpán Holub. Binary morphisms with stable suffix complexity. International Journal of Foundations of Computer Science, 22(3):699–712, 2011.
- [62] Markus Holzer and Martin Kutrib. The complexity of regular(-like) expressions. *International Journal of Foundations of Computer Science*, 22(7):1533–1548, 2011.
- [63] Honggang Hu and Guang Gong. Periods on two kinds of nonlinear feedback shift registers with time varying feedback functions. *International Journal of Foundations of Computer Science*, 22(6):1317–1329, 2011.
- [64] Oscar H. Ibarra. On strong reversibility in p systems and related problems. *International Journal of Foundations of Computer Science*, 22(1):7–14, 2011.
- [65] Florentin Ipate, Raluca Lefticaru, and Cristina Tudose. Formal verification of p systems using spin. *International Journal of Foundations of Computer Science*, 22(1):133–142, 2011.
- [66] Galina Jirásková. Magic numbers and ternary alphabet. *International Journal of Foundations of Computer Science*, 22(2):331–344, 2011.

- [67] Galina Jirásková and Tomáš Masopust. Complexity in union-free regular languages. *International Journal of Foundations of Computer Sci*ence, 22(7):1639–1653, 2011.
- [68] Lila Kari, Benoît Masson, and Shinnosuke Seki. Properties of pseudoprimitive words and their applications. *International Journal of Foun*dations of Computer Science, 22(2):447–471, 2011.
- [69] Lila Kari and Shinnosuke Seki. Schema for parallel insertion and deletion: Revisited. *International Journal of Foundations of Computer Science*, 22(7):1655–1668, 2011.
- [70] Sushanta Karmakar and Arobinda Gupta. Adaptive distributed mutual exclusion by dynamic topology switching. *International Journal of Foundations of Computer Science*, 22(3):713–737, 2011.
- [71] Kamala Krithivasan, Venkata Padmavati Metta, and Deepak Garg. On string languages generated by spiking neural p systems with anti-spikes. *International Journal of Foundations of Computer Science*, 22(1):15–27, 2011.
- [72] Manfred Kufleitner and Alexander Lauser. Partially ordered two-way büchi automata. *International Journal of Foundations of Computer Science*, 22(8):1861–1876, 2011.
- [73] Lakshmanan Kuppusamy, Anand Mahendran, and Kamala Krithivasan. On the ambiguity of insertion systems. *International Journal of Foundations of Computer Science*, 22(7):1747–1758, 2011.
- [74] Markku Laine and Wojciech Plandowski. Word equations with one unknown. *International Journal of Foundations of Computer Science*, 22(2):345–375, 2011.
- [75] Miroslav Langer and Alica Kelemenová. Positioned agents in ecogrammar systems. *International Journal of Foundations of Computer Science*, 22(1):237–246, 2011.
- [76] Tommi Lehtinen and Alexander Okhotin. On equations over sets of numbers and their limitations. *International Journal of Foundations of Computer Science*, 22(2):377–393, 2011.

- [77] Xuelian Li, Yupu Hu, and Juntao Gao. Lower bounds on the second order nonlinearity of boolean functions. *International Journal of Foundations of Computer Science*, 22(6):1331–1349, 2011.
- [78] Yamin Li, Shietung Peng, and Wanming Chu. Disjoint-paths and fault-tolerant routing on recursive dual-net. *International Journal of Foundations of Computer Science*, 22(5):1001–1018, 2011.
- [79] Han-Yu Lin and Chien-Lung Hsu. A novel identity-based key-insulated convertible authenticated encryption scheme. *International Journal of Foundations of Computer Science*, 22(3):739–756, 2011.
- [80] Denis Lugiez. Forward analysis of dynamic network of pushdown systems is easier without order. *International Journal of Foundations of Computer Science*, 22(4):843–862, 2011.
- [81] Andreas Maletti and Daniel Quernheim. Optimal hyper-minimization. International Journal of Foundations of Computer Science, 22(8):1877–1891, 2011.
- [82] Duhu Man, Yasuaki Ito, and Koji Nakano. An efficient parallel sorting compatible with the standard qsort. *International Journal of Foundations of Computer Science*, 22(5):1057–1071, 2011.
- [83] Vincenzo Manca and Luca Marchetti. Log-gain stoichiometric stepwise regression for mp systems. *International Journal of Foundations of Computer Science*, 22(1):97–106, 2011.
- [84] Amaldev Manuel and R. Ramanujam. Class counting automata on datawords. *International Journal of Foundations of Computer Science*, 22(4):863–882, 2011.
- [85] M.A. Martínez-Del-Amor, I. Pérez-Hurtado, M.J. Pérez-Jiménez, A. Riscos-Núñez, and F. Sancho-Caparrini. A simulation algorithm for multienvironment probabilistic p systems: A formal verification. *International Journal of Foundations of Computer Science*, 22(1):107– 118, 2011.
- [86] Marc Moreno Maza and Yuzhen Xie. Balanced dense polynomial multiplication on multi-cores. *International Journal of Foundations of Computer Science*, 22(5):1035–1055, 2011.

- [87] Flávio K. Miyazawa and André L. Vignatti. Bounds on the convergence time of distributed selfish bin packing. *International Journal of Foundations of Computer Science*, 22(3):565–582, 2011.
- [88] Takaaki Mizuki, Satoru Nakayama, and Hideaki Sone. An application of st-numbering to secret key agreement. *International Journal of Foundations of Computer Science*, 22(5):1211–1227, 2011.
- [89] Debashis Mondal, Abhay Kumar, Arijit Bishnu, Krishnendu Mukhopadhyaya, and Subhas C. Nandy. Measuring the quality of surveillance in a wireless sensor network. *International Journal of Foundations of Computer Science*, 22(4):983–998, 2011.
- [90] Fernando Arroyo Montoro, Juan Castellanos, Victor Mitrana, Eugenio Santos, and Jose M. Sempere. Filter position in networks of substitution processors does not matter. *International Journal of Foundations of Computer Science*, 22(1):155–165, 2011.
- [91] Gonzalo Navarro, Rodrigo Paredes, Patricio V. Poblete, and Peter Sanders. Stronger quickheaps. *International Journal of Foundations of Computer Science*, 22(4):945–969, 2011.
- [92] Fumiya Okubo and Takashi Yokomori. Morphic characterizations of language families in terms of insertion systems and star languages. *International Journal of Foundations of Computer Science*, 22(1):247–260, 2011.
- [93] Linqiang Pan, Daniel Díaz-Pernil, and Mario J. Pérez-Jiménez. Computation of ramsey numbers by p systems with active membranes. *International Journal of Foundations of Computer Science*, 22(1):29–38, 2011.
- [94] Andrei Păun, Mihaela Păun, Alfonso Rodríguez-Patón, and Manuela Sidoroff. P systems with proteins on membranes: A survey. *International Journal of Foundations of Computer Science*, 22(1):39–53, 2011.
- [95] Ignacio Pérez-Hurtado, Mario J. Pérez-Jiménez, Agustín Riscos-Núñez, Miguel A. Gutiérrez-Naranjo, and Miquel Rius-Font. On a partial affirmative answer for a păun's conjecture. *International Journal of Foun*dations of Computer Science, 22(1):55–64, 2011.

- [96] Holger Petersen. Simulations by time-bounded counter machines. *International Journal of Foundations of Computer Science*, 22(2):395–409, 2011.
- [97] Laurent Poinsot and Alexander Pott. Non-boolean almost perfect non-linear functions on non-abelian groups. *International Journal of Foundations of Computer Science*, 22(6):1351–1367, 2011.
- [98] Antonio E. Porreca, Alberto Leporati, Giancarlo Mauri, and Claudio Zandron. P systems with active membranes working in polynomial space. *International Journal of Foundations of Computer Science*, 22(1):65–73, 2011.
- [99] Elena Pribavkina and Emanuele Rodaro. State complexity of code operators. *International Journal of Foundations of Computer Science*, 22(7):1669–1681, 2011.
- [100] Saladi Rahul, Prosenjit Gupta, and K.S. Rajan. Data structures for range-aggregation over categories. *International Journal of Foundations of Computer Science*, 22(7):1707–1728, 2011.
- [101] Michel Rigo and Laurent Waxweiler. Logical characterization of recognizable sets of polynomials over a finite field. *International Journal of Foundations of Computer Science*, 22(7):1549–1563, 2011.
- [102] Arnold L. Rosenberg and Ron C. Chiang. Heterogeneity in computing: Insights from a worksharing scheduling problem. *International Journal of Foundations of Computer Science*, 22(6):1471–1493, 2011.
- [103] Reihaneh Safavi-Naini and Shaoquan Jiang. Unconditionally secure conference key distribution: Security notions, bounds and constructions. *International Journal of Foundations of Computer Science*, 22(6):1369–1393, 2011.
- [104] Abusayeed Saifullah and Yung H. Tsin. Self-stabilizing computation of 3-edge-connected components. *International Journal of Foundations of Computer Science*, 22(5):1161–1185, 2011.
- [105] Arto Salomaa. Power sums associated with certain recursive procedures on words. *International Journal of Foundations of Computer Science*, 22(1):261–272, 2011.

- [106] Arseny M. Shur. On the existence of minimal β -powers. International Journal of Foundations of Computer Science, 22(7):1683–1696, 2011.
- [107] Petr Sosík, Alfonso Rodríguez-Patón, and Luděk Cienciala. On the power of families of recognizer spiking neural p systems. *International Journal of Foundations of Computer Science*, 22(1):75–88, 2011.
- [108] Benjamin Steinberg. The averaging trick and the černý conjecture. International Journal of Foundations of Computer Science, 22(7):1697–1706, 2011.
- [109] Wei Sun. Population size modeling for ga in time-critical task scheduling. *International Journal of Foundations of Computer Science*, 22(3):603–620, 2011.
- [110] Javid Taheri and Albert Y. Zomaya. On the performance of static and dynamic location management strategies in mobile computing. *International Journal of Foundations of Computer Science*, 22(3):519–546, 2011.
- [111] Christophe Tartary, Huaxiong Wang, and Yun Zhang. An efficient and information theoretically secure rational secret sharing scheme based on symmetric bivariate polynomials. *International Journal of Foundations of Computer Science*, 22(6):1395–1416, 2011.
- [112] Shihong Xu and Hong Shen. A distributed approximation algorithm for fault-tolerant metric facility location. *International Journal of Foundations of Computer Science*, 22(5):1019–1034, 2011.
- [113] Yukiko Yamauchi, Doina Bein, and Toshimitsu Masuzawa. Reliable communication on emulated channels resilient to transient faults. *International Journal of Foundations of Computer Science*, 22(5):1099–1122, 2011.
- [114] Yang Yang, Xiaohu Tang, and Udaya Parampalli. Authentication codes from difference balanced functions. *International Journal of Foundations of Computer Science*, 22(6):1417–1429, 2011.
- [115] Deshi Ye and Qinming He. Worst-case performance evaluation on multiprocessor task scheduling with resource augmentation. *International Journal of Foundations of Computer Science*, 22(4):971–982, 2011.

- [116] Fang Yu, Tevfik Bultan, and Oscar H. Ibarra. Relational string verification using multi-track automata. *International Journal of Foundations of Computer Science*, 22(8):1909–1924, 2011.
- [117] Allen Yuan, Eddie Cheng, and László Lipták. Linearly many faults in (n, k)-star graphs. International Journal of Foundations of Computer Science, 22(7):1729–1745, 2011.
- [118] Jan Žďárek and Bořivoj Melichar. Tree-based 2d indexing. *International Journal of Foundations of Computer Science*, 22(8):1893–1907, 2011.
- [119] Georg Zetzsche. Toward understanding the generative capacity of erasing rules in matrix grammars. *International Journal of Foundations of Computer Science*, 22(2):411–426, 2011.
- [120] Meng Zhang, Liang Hu, and Yi Zhang. Weighted automata for full-text indexing. *International Journal of Foundations of Computer Science*, 22(4):921–943, 2011.
- [121] Yin Zhang, Meicheng Liu, and Dongdai Lin. On the nonexistence of bent functions. *International Journal of Foundations of Computer Science*, 22(6):1431–1438, 2011.