

FLAVIO D'ALESSANDRO

BOOKS

de LUCA A., D'ALESSANDRO F., “Teoria degli Automi Finiti”, UNI-TEXT, Vol. 68, pp. 340, July 2013, Springer Italia.

The book, written in Italian, provides a mathematical rigorous presentation of classical and advanced results in Finite Automata Theory in the context of algebraic semigroup theory. The text is conceived for Graduate and Ph.D. students of Mathematics, Engineering, and Computer Science, as well as for researchers in these fields.

English version in preparation (for Springer).

PUBLICATIONS

Submitted to international peer-reviewed journals

1. CARPI A., D'ALESSANDRO F., On the Commutative Equivalence of Algebraic Formal Series, submitted, 2018

International peer-reviewed journals

2. D'ALESSANDRO F., IBARRA O. H., MCQUILLAN I., On finite-index indexed grammars and their restrictions, *Information and Computation*, *accepted*
3. CARPI A., D'ALESSANDRO F., Coding by minimal linear grammars, *Theoretical Computer Science*, *accepted*
4. CARPI A., D'ALESSANDRO F., Locally strongly transitive automata in the Černý conjecture and related problems, *Essays to Commemorate the 55th Anniversary of the Černý Conjecture*, *Journal of Automata, Languages, and Combinatorics*, 2019, vol. 24 (2–4), 165–184.
5. SALEHI O., D'ALESSANDRO F., SAY C., Language classes associated with automata over matrix groups, *RAIRO-Theor. Inf. Appl.* 52 (2018) 253–268
6. CARPI A., D'ALESSANDRO F., On incomplete and synchronizing finite sets, *Theoretical Computer Science*, 2017, vol. 664, 67–77.

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14. BERTONI A., BIANCHI P., D'ALESSANDRO F., Regularity of languages defined by formal series with isolated cut point, 2011 Theoretical Informatics and Application, RAIRO ITA, 2012, vol. 46 (4), 21–35.
15. C. CHOFRUT, D'ALESSANDRO F., VARRICCHIO S., Bounded rational languages of trace monoids, Theory of comput. sys., 2010, vol. 46, 351–369.
16. CARPI A., D'ALESSANDRO F., Strongly transitive automata and Černý conjecture. Acta Informatica, 2009, vol. 46 (8), 591–611.
17. D'ALESSANDRO F., INTRIGILA B., VARRICCHIO S. On the Parikh counting function of sparse context-free languages. Theoretical Computer Science, 2009, vol. 410, 5158–5181.
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34. D'ALESSANDRO F., IBARRA O. H., MCQUILLAN I., On Finite-Index Indexed Grammars and Their Restrictions, “LATA 2017, 11th International Conference on Language and Automata Theory and Applications”, Umea, Sweden, 5–9 March 2017, In: F. Drewes, B. Truthe, and C. Martin Vides (Eds), Lecture Notes in Computer Science, vol. 10168, pp. 287–298, Springer-Verlag, Heidelberg.
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