

Ivan Martino

List of scientific works

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In preparation

- 17 *Z-matroids*, with Alex Fink;
- 16 *Generalized Weyl Groups*, with Rahul Singh;

Submitted for publication and available in arXiv.org

- 15 *Cohen-Macaulay Property of pinched Veronese Rings*, with Ornella Greco;
- 14 *Systematic Discovery of Runge-Kutta Methods through Algebraic Varieties*, with Giuseppe Nicosia;
- 13 *Subspace arrangements and motives of classifying stacks of reflection groups*, with Emanuele Delucchi;

Peer-review articles

- 12 *Face module for realizable Z-matroids*, accepted in Contributions to Discrete Mathematics (2017);
- 11 *Introduction to the Ekedahl Invariants*, MATH. SCAND. 120 (2017), 211–224a;
- 10 *The Ekedahl invariants for finite groups*, J. Pure Appl. Algebra 220 (2016), no. 4, 1294–1309;
- 9 *Syzygies of Veronese modules* with Ornella Greco, Comm. Algebra 44 (2016), no. 9, 3890–3906;
- 8 *Vertex Collapsing and Cut Ideals*, Serdica Math. J. 41 (2015), 229-242;
- 7 *On the variety of linear recurrences and numerical semigroups* with Luca Martino, Semigroup Forum 88 (2014), no. 3, 569-574. 20M14;
- 6 *Global Optimization for Algebraic Geometry - Computing Runge-Kutta Methods* with Giuseppe Nicosia, Learning and Intelligent Optimization, Lecture Notes in Computer Science, 2012, 2012, 449-454;
- 5 *Regular sequences of power sums and complete symmetric polynomials* with Neeraj Kumar, Le Matematiche, Vol. LXVII (2012) - Fasc. I, pp. 103-117;
- 4 *An algebraic proof for the identities for the degree of syzygies in numerical semigroup* with Neeraj Kumar, Le Matematiche, Vol. LXVII (2012) - Fasc. I, pp. 81-89;

Doctoral, Licentiate and Diploma Thesis

- 3 *Ekedahl Invariants, Veronese Modules and Linear Recurrence Varieties*, Doctoral Thesis – Stockholm University, 2014; (It includes works 7, 9, 10, and 11.)
- 2 *The Ekedahl Invariants for finite groups*, Licentiate Thesis – Stockholm University, 2013; (Extended version of works 10 and 11.)
- 1 *Signal functions on Semigroup*, Diploma Thesis – Catania Institute of Advanced Study (SSC), 2010.