

LIST OF PUBLICATIONS

DMITRY N. KOZLOV

THESES

- [Thesis1] D.N. Kozlov, *Trends in Topological Combinatorics*, **Habilitations-schrift**, University of Bern, Bern, June 2002.
<http://www.math.kth.se/~kozlov/ps/main.ps>
- [Thesis2] D.N. Kozlov, *Extremal combinatorics, weighing algorithms, and topology of subspace arrangements*, **Ph.D. thesis**, Royal Institute of Technology, Stockholm, May 1996.

RESEARCH ARTICLES

Published/Accepted for publication

General journals

- [1] E. Babson, D.N. Kozlov, *Topological obstructions to graph colorings*, Electron. Res. Announc. Amer. Math. Soc. **9** (2003), 61–68.
- [2] E.M. Feichtner, D.N. Kozlov, *Abelianizing the real permutation action via blowups*, Int. Math. Res. Not. **2003**, no. 32, 1755–1784.
- [3] E.M. Feichtner, D.N. Kozlov, *Incidence combinatorics of resolutions*, to appear in Selecta Math. (N.S.).
[arXiv:math.CO/0305154](https://arxiv.org/abs/math/0305154)
- [4] D.N. Kozlov, *Rational homology of spaces of complex monic polynomials with multiple roots*, preprint, Institute for Advanced Study 1999, to appear in Mathematika.
[arXiv:math.CO/0111167](https://arxiv.org/abs/math/0111167)
- [5] D.N. Kozlov, *Topology of spaces of hyperbolic polynomials with multiple roots*, Israel J. Math. **132** (2002), 189–206.
- [6] D.N. Kozlov, *Collapsibility of $\Delta(\Pi_n)/S_n$ and some related CW complexes*, Proc. Amer. Math. Soc. **128** (2000), no. 8, 2253–2259.
- [7] D.N. Kozlov, *On functions satisfying modular equations for infinitely many primes*, Canad. J. Math. **51** (1999), no. 5, 1020–1034.
- [8] D.N. Kozlov, *Order complexes of noncomplemented lattices are nonevasive*, Proc. Amer. Math. Soc. **126** (1998), no. 12, 3461–3465.

Specialized journals

COMBINATORICS

- [9] D.N. Kozlov, *Directed trees in a string, real polynomials with triple roots, and chain mails*, to appear in *Discrete Comput. Geom.*
`arXiv:math.GT/0210045`
- [10] D.N. Kozlov, *Spectral sequences on combinatorial simplicial complexes*, *J. Algebraic Combin.* **14** (2001), no. 1, 27–48.
- [11] E.M. Feichtner, D.N. Kozlov, *On subspace arrangements of type \mathcal{D}* , *Formal power series and algebraic combinatorics* (Minneapolis, MN, 1996), *Discrete Math.* **210** (2000), no. 1-3, 27–54.
- [12] D.N. Kozlov, *Complexes of directed trees*, *J. Combin. Theory Ser. A* **88** (1999), no. 1, 112–122.
- [13] D.N. Kozlov, *A class of hypergraph arrangements with shellable intersection lattice*, *J. Combin. Theory Ser. A* **86** (1999), no. 1, 169–176.
- [14] D.N. Kozlov, *Maximizing the Möbius function of a poset and the sum of the Betti numbers of the order complex*, *Combinatorica* **19** (1999), no. 4, 533–548.
- [15] D.N. Kozlov, *General lexicographic shellability and orbit arrangements*, *Ann. Comb.* **1** (1997), no. 1, 67–90.
- [16] D.N. Kozlov, *Convex hulls of f - and β -vectors*, *Discrete Comput. Geom.* **18** (1997), no. 4, 421–432.
- [17] D.N. Kozlov, V.H. Vu, *Coins and Cones*, *J. Combin. Theory Ser. A* **78** (1997), no. 1, 1–14.

ALGEBRA

- [18] E. Babson, D.N. Kozlov, *Group actions on posets*, MSRI preprint, to appear in *J. Algebra.*
`arXiv:math.CT/0310055`

TOPOLOGY

- [19] D.N. Kozlov, *Comparison of Vassiliev and Ziegler-Živaljević models for homotopy types of subspace arrangements*, *Topology Appl.* **126** (2002), no. 1–2, 119–129.

Theoretical computer science journals

- [20] N. Alon, D.N. Kozlov, *Coins with arbitrary weights*, J. Algorithms **25** (1997), no. 1, 162–176.
- [21] N. Alon, D.N. Kozlov, V.H. Vu, *The geometry of coin-weighing problems*, in: Proceedings of the 37th FOCS, IEEE Comput. Soc. Press, Los Alamitos, CA, 1996, pp. 524–532.

Submitted for publication

- [22] D.N. Kozlov, *Resonance Category*, submitted in 2001.
`arXiv:math.CT/0111196`
- [23] E.M. Feichtner, D.N. Kozlov, *A desingularization of real diffeomorphic actions of finite groups*, submitted in 2003.
`arXiv:math.AG/0309280`
- [24] E. Babson, D.N. Kozlov, *Complexes of graph homomorphisms*, submitted in 2003.
`arXiv:math.CO/0310056`
- [25] E. Babson, D.N. Kozlov, *Proof of the Lovász Conjecture*, submitted in 2004.
`arXiv:math.CO/0402395`