

Publication List

1. G. Mikhalkin, *Congruences for real algebraic curves on an ellipsoid*, Zapiski Nauchn. Seminarov LOMI, **193** (1991), 90-100 (Russian); Advances in Soviet Mathematics, **18** (1994), 223-233 (English translation).
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4. G. Mikhalkin, *Complex separation of real surfaces and extensions of Rokhlin congruence*, Invent. Math. **118** (1994), 197-222.
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7. G. Mikhalkin, *Surfaces of small genus in connected sums of $\mathbb{C}P^2$ and real algebraic curves with many nests in $\mathbb{R}P^2$* , Contemp. Math., **182** (1995), 73-82.
8. G. Mikhalkin, *Visible contours of cubic surfaces in $\mathbb{R}P^3$* , Preprint Max-Planck-Institute, Bonn 1995.
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15. G. Mikhalkin, *Birational equivalence for smooth manifolds with boundary*, Algebra i Analiz 11 (1999), no. 5, 152-165. (English translation in St.Petersburg Math. J. **11** (2000), 827-836.)
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17. G. Mikhalkin, H. Rullgård *Amoebas of maximal area*, Internat. Math. Res. Notices **9** 2001:9, 441–451.
18. G. Mikhalkin, *Amoebas of algebraic varieties*, a report for the Real Algebraic and Analytic Geometry congress, June 2001, Rennes, France, <http://arxiv.org/math.AG/0108225>.
19. G. Mikhalkin, *Counting curves via lattice paths in polygons*, C. R. Math. Acad. Sci. Paris **336** (2003), no. 8, 629–634.
20. G. Mikhalkin, *Decomposition into pairs-of-pants for complex algebraic hypersurfaces*, Topology **43/5** (2004), 1035–1065.
21. G. Mikhalkin, *Amoebas of algebraic varieties and tropical geometry*, <http://arxiv.org/abs/math.AG/0403015>, in *Different Faces of Geometry*, International Mathematical Series , Vol. 3 (Donaldson, Simon; Eliashberg, Yakov; Gromov, Mikhael (Eds.)) 2004, 257–300.
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29. G. Mikhalkin, *Introduction to Tropical Geometry (notes from the IMPA lectures in Summer 2007)*, <http://arxiv.org/abs/0709.1049>.
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39. G. Mikhalkin, I. Zharkov, *Tropical eigenwave and intermediate Jacobians*, In *Homological Mirror Symmetry and Tropical Geometry*, Lecture Notes of the Unione Matematica Italiana 2014, 309-349.

40. E. Brugallé, I. Itenberg, G. Mikhalkin, K. Shaw, *Brief introduction to tropical geometry*, Proceedings of 21st Gökova Geometry-Topology conference (May 2014), Gökova Geometry/Topology Conference (GGT), Gökova, 2015, 1-75.
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42. G. Mikhalkin, *Amoebas of half-dimensional varieties*, Analysis meets geometry, 349–359, Trends Math., Birkhäuser/Springer, Cham, 2017.
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49. G. Mikhalkin, S. Orevkov, *Maximally writhed real algebraic links*. Invent. Math. 216 (2019), no. 1, 125–152.
50. G. Mikhalkin, *Examples of tropical-to-Lagrangian correspondence*. Eur. J. Math. 5 (2019), no. 3, 1033–1066.
51. G. Mikhalkin, S. Orevkov, *On osculating framing of real algebraic links*. Arnold Math. J. 5 (2019), no. 4, 393–399.
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