

List of publications by Sergey Galkin

Published:

Mirror Symmetry and Fano Manifolds, European Congress of Mathematics (Kraków, 2-7 July, 2012), November 2013 (824 pages), pp. 285–300, ISBN 978-3-03719-120-0, DOI 10.4171/120-1/16, arXiv:1212.1722, IPMU 12-0102, co-authors: T. Coates, A. Corti, V. Golyshev, A. Kasprzyk

Exceptional collections of line bundles on the Beauville surface, Advances in Mathematics 244 (2013) 1033–1050, arXiv:1210.3339, MPIM 12-60, co-author: E. Shinder

Upper bounds for mutations of potentials, SIGMA 9 (2013), 005, 13 pages, Contribution to the Special Issue Mirror Symmetry and Related Topics, arXiv:1301.4541, IPMU 12-0110, co-author: J.A. Cruz Morales

Minkowski Polynomials and Mutations, SIGMA 8 (2012), 094, 707 pages, Contribution to the Special Issue Mirror Symmetry and Related Topics, arXiv:1212.1785, IPMU 12-0120, co-authors: M. Akhtar, T. Coates, A. Kasprzyk

Quantum cohomology of Grassmannians and cyclotomic fields, Russian Mathematical Surveys (2006), 61(1):171, co-author: V. Golyshev

Accepted:

Dubrovin's conjecture for $IG(2,6)$, 2014, accepted to IMRN, arXiv:1405.3857, co-authors: A. Mellit, M. Smirnov

Submitted:

The Fano variety of lines and rationality problem for a cubic hypersurface, 2014, arXiv:1405.5154, co-author: E. Shinder

Gamma classes and quantum cohomology of Fano manifolds: Gamma conjectures, 2014, arXiv:1404.6407, IPMU 10-0200, co-authors: V. Golyshev, H. Iritani

Derived category of Keum's fake projective planes, 2014, co-authors: L. Katzarkov, A. Mellit, E. Shinder

Quantum periods for 3-dimensional Fano manifolds, 2013, arXiv:1303.3288, IPMU 13-0113, co-authors: T. Coates, A. Corti, A. Kasprzyk

Unpublished:

Quantum Periods For Certain Four-Dimensional Fano Manifolds, 2014, arXiv:1406.4891 co-authors: T. Coates, A. Kasprzyk, A. Strangeway

The conifold point, 2014, arXiv:1404.7388

Minifolds and Phantoms, 2013, arXiv:1305.4549v2, IPMU 13-0102, co-authors: L. Katzarkov, A. Mellit, E. Shinder

Minifolds 2: on the derived category of coherent sheaves on a fake projective space, 2012, co-authors: E. Shinder

Minifolds 1: on the projective fourspace, 2011, preprint IPMU 11-0100, co-author: A. Mellit

Laurent phenomenon for Landau–Ginzburg potential, 2010, preprint IPMU 10-0100, co-author: A. Usnich

G-Fano threefolds are mirror-modular, 2010, preprint IPMU 10-0150

G-minimal varieties are quantum minimal, 2010, preprint IPMU 10-0101

Two instances of fake minimal Fano threefolds II, 2011, preprint IPMU 11-0099

On Apery constants of homogeneous varieties, 2008, preprint SFB45

Small toric degenerations of Fano threefolds, 2008, available at <http://www.mi.ras.ru/~galkin> (circa 2008), and also as preprint IPMU 12-0121 (stripped version, 2012)

Del Pezzo surfaces and pencils of elliptic curves with low ramification, 2008, available at <http://www.mi.ras.ru/~galkin> (Russian)

Derived categories of coherent sheaves on toric stacks, 2004, preprint ITEP-TH-105/04 (Russian)