

List of publications

Ilya Karzhevanov

- (1) *Some properties of surjective rational maps*
European Journal of Mathematics, 2018, volume 4, issue 1, pages 326 – 329,
co-authors: I. Zhdanovskiy,
- (2) *Acyclicity of non-linearisable line bundles on fake projective planes*
Preprint IPMU15-0202, 2015, pages 1 – 9,
co-authors: S. Galkin, E. Shinder,
- (3) *On RC varieties without smooth rational curves*
Journal of Geometry and Physics, 2018, volume 130, pages 27 – 32,
- (4) *On the cut-and-paste property of algebraic varieties*
Preprint IPMU14-0366, 2014, pages 1 – 5,
- (5) *Around the uniform rationality*
Preprint IPMU14-0327, 2014, pages 1 – 27,
- (6) *On unirational quartic hypersurfaces*
Preprint IPMU14-0302, 2014, pages 1 – 9,
- (7) *On endomorphisms of hypersurfaces*
Kodai Mathematical Journal, 2017, volume 40, issue 3, pages 615 – 624,
- (8) *Rationality of an S_6 -invariant quartic 3-fold*
Preprint IPMU14-0042, 2014, pages 1 – 16,
- (9) *Some pathologies of Fano manifolds in positive characteristic*
Manuscripta Math., 2017, volume 153, issue 3-4 (cf. arXiv:1706.05696),
- (10) *On one stable birational invariant*
MPIM preprint 2013 (38), pages 1 – 31,
- (11) *On characterization of toric varieties*
Preprint, 2013, arXiv: math. AG1306.4131, pages 1 – 15,
- (12) *Combinatorics of affine birational maps*
Preprint, 2013, arXiv: math. AG1303.3038, pages 1 – 12,
- (13) *Unirationality and existence of infinitely transitive models*
Birational Geometry, Rational Curves, and Arithmetic (Fedor Bogomolov, Brendan Hassett,
Yuri Tschinkel, eds.), Simons Symposia, Springer New York (2013), 77 – 92,
co-authors: F. Bogomolov, K. Kuyumzhiyan,

- (14) *On the quotient of \mathbb{C}^4 by a finite primitive group of type (I)*
Mathematical Research Letters, 2014, volume 21, issue 1, pages 133 – 169,
- (15) *One construction of a K3 surface with the dense set of rational points*
Preprint, 2011, arXiv: math. AG1102.1873, pages 1 – 10,
- (16) *Polarized K3 surfaces of genus 33*
Canadian Math. Bull., 2017, volume 60, issue 3, pages 546 – 560.
- (17) *Remark on polarized K3 surfaces of genus 36*
Geometriae Dedicata, 2012, volume 159, issue 1, pages 295 – 305,
- (18) *Halphen pencils on quartic threefolds*
Advances in Mathematics, 2010, volume 223, issue 2, pages 594 – 618,
co-author: I. Cheltsov,
- (19) *On Fano threefolds with canonical Gorenstein singularities*
Sbornik: Mathematics, 2009, volume 200, issue 8, pages 61 – 94,
- (20) *One base point free theorem for weak log Fano threefolds*
Preprint, 2009, arXiv: math. AG0906.0553, pages 1 – 8,¹⁾
- (21) *Fano threefolds with canonical Gorenstein singularities and big degree*
Math. Ann. 2015, volume 362, pages 1107 – 1142,
- (22) *On some Fano – Enriques threefolds*
Adv. Geom. 2011, volume 11, issue 1, pages 117 – 129.

¹⁾This is a correction to the paper Karzhemanov I. V. *Semiampleness theorem for weak log Fano varieties* // Russ. Acad. Sci. Sb. Math. 2006. V. 197 (10). P. 57 – 64.