

# Curriculum Vitae

**Name:** Ivan

**Surname:** Bazhov

**Born:** 25 September, 1991, USSR

**Nationality:** Russia

**Status:** single

**Languages:** Russian, English, French

## Contacts

*Current address:*

La Villa Battelle, 7 route de Drize

1227 Carouge, Suisse

*e-mail:* [ibazhov@gmail.com](mailto:ibazhov@gmail.com)

*phone:* +7 916 340 04 83

## Education

- **Gymnasium 9, Yekaterinburg** (September 1998 – July 2008)  
Certificate of Secondary (Complete) General Education, date of obtaining: 25/06/2008
- **Moscow State University** (September 2008 – July 2013)  
Thesis: "Additive structures on projective hypersurfaces of degree 3"  
Advisor: I. Arzhantsev, Date of defence: May 2013
- **Independent Moscow University** (September 2008 – May 2013)  
Thesis: "On automorphisms of a Bergman fan"  
Advisor: G. Mikhalkin, Date of defence: May 2013

## Research interests

Algebraic geometry, toric geometry, tropical geometry

## Publications and preprints

- *Special automorphisms of quas affine toric varieties*. Abstracts of the Second School-Conference on Lie Algebras, Algebraic Groups and Invariant Theory, Russia, Moscow, pages 10–11 (2011)
- *On orbits of the automorphism group on a complete toric variety*. Beiträge zur Algebra und Geometrie, DOI 10.1007/s13366-011-0084-0, [arXiv:1110.4275v2](https://arxiv.org/abs/1110.4275v2) (2011)
- with Arzhantsev I. V.: *On orbits of the automorphism group on an affine toric variety*. Cent. Eur. J. Math., 2013, 11(10), 1713-1724 DOI: 10.2478/s11533-013-0273-1 [arXiv:1203.2902](https://arxiv.org/abs/1203.2902) (2012)
- *Additive structures on cubic hypersurfaces*. [arXiv:1307.6085](https://arxiv.org/abs/1307.6085) (2013)

## Not published papers

- *On automorphisms of a Bergman fan*, (finished in 2013)

## Talks on conferences and seminars

- *Special automorphisms of quas affine toric varieties*. The Second School-conference "Lie Algebras, Algebraic Groups and Invariant Theory". Russia, Moscow (January 2011)

- *On orbits of the automorphism group on a complete toric variety*. The International Conference on Algebra and Geometry. Russia, Yekaterinburg (August 2011)
- *On orbits of the automorphism group on a complete or affine toric variety*. Conference "Algebra and Geometry". Russia, Moscow (June 2012)
- *Automorphisms of a toric variety*. Geneva, Switzerland (June 2012)
- *Automorphisms of toric varieties*. Work-shop in Algebraic Geometry. Enney, Switzerland (February 2013)

### Participations in conferences and scientific schools

- The Second School-conference "Lie Algebras, Algebraic Groups and Invariant Theory". Russia, Moscow (January 2011)
- International School on Algebra and Algebraic Geometry. Russia, Yekaterinburg (August 2011)
- 34th Autumn School in Algebraic Geometry "Geometric Invariant Theory, old and new". Poland, Lukecin (September 2011)
- Conference "Algebra and Geometry". Russia, Moscow (June 2012)
- 2nd Summer School "Algebra and Geometry". Russia, Yaroslavl (August 2012)
- 35th Autumn School in Algebraic Geometry "Subgroups of Cremona groups". Poland, Lukecin (September 2012)
- Work-shop in Algebraic Geometry. Enney, Switzerland (February 2013)
- Borel Seminar. Les Diablerets, Switzerland (June 2013)
- Tropical Geometry in Europe. Toulouse, France (October 2013)
- Winter School in Mathematical Physics. Les Diablerets, Switzerland (January 2014)
- Tropical Geometry in its Complex and Symplectic Aspects: Introductory Workshop. Lausanne, Switzerland (January 2014)
- Work-shop in Algebraic Geometry. Enney, Switzerland (January 2014)

### Other scientific visits

- Universite de Geneva, Geneva, Switzerland (June, 2012)
- MPIM, Bonn, Germany (July–August, 2013)

### Other honors and awards

- Chinese Mathematical Olimpiad (for school students), *Gold Medal*. China, Harbin (2008)
- International Mathematical Olimpiad (for school students), *Gold Medal*. Spain, Madrid (2008)

- International Mathematical Competition for Students, *First Prize*. Bulgaria, Blagoevgrad (2010)
- Finalist of the 15th August Moebius Contest, the work *On orbits of the automorphism group on a complete toric variety*. Russia, Independent University of Moscow (2011)
- President's scholarship (2011–2012)
- Simon's scholarship (2012)
- RFBR grant 12-0131342-mol-a (2012)
- Simon's scholarship (hors concours) (2013)
- Potanin's scholarship (Fall 2008 – Spring 2013)
- Scholarship of Dynasty Foundation (first half of 2013)
- Grant of The Ministry of education of Russian federation (2013)

### Teaching experience

- Summer School in Kirov (Russia), teacher. (2009, 2011, 2012)

### Reviewer

- Zentralblatt MATH (since 2011)