

# Curriculum Vitae

Boris Bychkov

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## Research area of interest:

Hurwitz Spaces, Moduli Spaces, Algebraic Curves, Ramified Coverings.

## Present position:

Higher School of Economics, International Laboratory of Representation Theory and Mathematical Physics, researcher

## Education:

- 06/2003*: Graduated from High School №57, Moscow, Russia.
- 09/2003 - 06/2008*: Undergraduate student, Moscow State University, Mathematics and Mechanics Department, the Chair of High Algebra.  
Scientific advisor: G. Shabat.
- 09/2008 - 05/2010*: Student of Education Center, Steklov Mathematical Institute, Moscow.
- 11/2011 - 11/2014*: Graduate student, Higher School of Economics, Faculty of Mathematics  
Scientific advisor: S. K. Lando.

## Publications:

1. B.S. Bychkov, V.A. Dremov, E.M. Epifanov, “The computation of Belyi pairs of 6-edged dessins d’enfants of genus 3 with the automorphisms groups of orders 12 and 3”, *Fundamentalnaya i Prikladnaya Matematika*, 13:6 (2007), 137-148; (in russian)
2. B.S. Bychkov, V.A. Dremov, E.M. Epifanov, “The computation of Belyi pairs of 6-edged dessins d’enfants of genus 3 with the automorphism group of order 2 ”, *Fundamentalnaya i Prikladnaya Matematika*, 18:6 (2013), 77-89; (in russian)
3. B.S. Bychkov, “The computation of megamaps”, *Siberian Electronic Mathematical Reports*, 10 (2013), 170-179; (in russian)
4. B. Bychkov, “On the number of coverings of the sphere ramified over given points” (2013), [math.CO/1312.1141](https://arxiv.org/abs/math/1312.1141)
5. B. Bychkov, “On decompositions of a cyclic permutation into a product of a given number of permutations”, *Functional Analysis and Its Applications*, 49:2 (2015), 81-85

**Reports:**

- 09/2004 - 09/2011:* frequent reporter on “Graphs on Surfaces and Curves over Number Fields” seminar, Moscow State University, Russia.
- 05/2008:* report “Belyi pairs of 6-edged dessins d’enfant of genus 3 with automorphism groups of order 12 and 3” at The International algebraic conference on the occasion of 100th anniversary of Professor A. G. Kurosh (in russian), Moscow State University, Russia.
- 11/2011 - present:* frequent reporter on “Characteristic classes and the theory of intersections” seminar, Higher School of Economics, Moscow.
- 08/2013:* report “The computation of the megamaps” at the International conference “Geometry days in Novosibirsk 2013”.
- 02/2014:* report “On the number of coverings of the sphere ramified over given points” at the workshop “Primitive form and related objects”, Kavli IPMU, Tokyo.
- 03/2014:* report “On the number of coverings of the sphere ramified over given points” on the seminar “Low-Dimensional Mathematics” (in russian), PDMI, St.-Petersburg.
- 10/2014:* report “On the geometry of decomposition of the cyclic permutation into the product of a given number of permutations”, at the International conference “Embedded Graphs”, PDMI, St.-Petersburg.
- 02/2015:* report “On the geometry of decomposition of the cyclic permutation into the product of a given number of permutations”, at the International conference “Young people week in singularities”, Luminy, Marseille, France.

**Awards:**

- 03/2014:* Simons Foundation Award for Graduate Students

**Teaching experience:**

- 2006 - present:* Instructor in Calculus, Combinatorics and Number theory at the High School №179.
- 2009 - 2013:* Instructor in Geometry at the High School №179.
- 2012 - 2014:* Educational assistant at the Faculty of Mathematics, Higher School of Economics.
- 2013 - 2014:* Educational assistant in Calculus, Independent University of Moscow.
- 2013 - 2015:* Lecturer, summer school “Combinatorics and Algorithms” for high-school students, Sudislavl, Russia.