CURRICULUM VITAE

Name: Sergey Galkin
Born: 21.08.1982, Moscow
Nationality: Russian
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Fields of interest: Fano varieties, classification of low-dimensional Fano varieties, toric varieties, quantum cohomology, mirror symmetry, degenerations, derived categories of coherent sheaves, number theory, experimental mathematics.

Education:

– Ph.D. in Mathematics, Steklov Mathematical Institute, April 2008, scientific advisor: V. A. Iskovskikh.

Thesis: "Toric deformations of Fano varieties".

– Independent University of Moscow, 1997–2008.

– B.A. in Mathematics, Moscow State University, Department of Mathematics and Mechanics, 1999–2004.

Diploma: "Derived categories of coherent sheaves on toric Deligne-Mumford stacks"

Publications and preprints:

"On Apery constants of homogeneous varieties.", 2008, (in preparation) http://www.mi.ras.ru/∼galkin/work/zetagrass.pdf

"Two instances of fake minimal Fano threefolds", 2008, (in preparation) http://www.mi.ras.ru/∼galkin/work/fakefano.pdf

"Small toric deformations of Fano threefolds", 2008, *Sbornik: Mathematics, to appear*, http://www.mi.ras.ru/∼galkin/work/3a.pdf

"Toric del Pezzo surfaces and pencils of elliptic curves with low ramification", 2008, http://www.mi.ras.ru/∼galkin/papers/2d.pdf (in Russian)

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

"Derived categories of coherent sheaves on toric stacks", 2004, *ITEP-TH-105/04 http://ellib.itep.ru/mathphys/psfiles/04_105.ps (in Russian)*

Talks:
"Fano spectra and Apery class", Imperial College Intermediate Seminar, Imperial College, London, 2008.
"Del Pezzo surfaces and their mirrors", London Junior Geometry Seminar, Imperial College, London, 2008.
"Quantum cohomology via small degenerations and low ramification", The London topology and geometry seminar, Imperial College, London, 2008
"On degenerations of Fanos", Algebraic Geometry Seminar, Freie Universitaet, Berlin, 2008
"On Fake Fanos", Workshop on Mathematical Challenges in String Phenomenology: Homological Mirror Symmetry and Applications, The Erwin Schroedinger International Institute for Mathematical Physics, Wien, 2008

"Toric degenerations of Fano threefolds (towards exceptional collections)", Workshop on degenerations and exceptional collections, Institute of Physics and Mathematics of the Universe (Tokyo University), 2008

"Del Pezzo surfaces and their mirrors", SFB/TR 45 Oberseminar, Mainz, 2008

"Toric degenerations of Fano varieties", Seminar on Algebraic Geometry, Steklov Mathematical Institute, 2007

"Small toric degenerations of Fano threefolds", Seminar on Geometry of Algebraic Varieties, Moscow State University, 2007

"Frobenius action in a fiber of pencil", Seminar on Diophantine and Algebraic Geometry, Steklov Mathematical Institute, 2007

"Fano varieties and low ramified pencils", Seminar on Geometry of Algebraic Varieties, Moscow State University, 2006

"Gromov-Witten invariants and quantum cohomology of homogeneous varieties", Seminar on characteristic classes and intersection theory, Independent University of Moscow, 2006

Visits:

Johannes Gutenberg Universitaet, Mainz (Germany), 2 months, 2008

Freie Universitaet, Berlin (Germany), 3 weeks, 2008

IHES, Bures-sur-Yvette (France), 2 weeks, 2008 (unofficial)

Johannes Gutenberg Universitaet, Mainz (Germany), 4 weeks, 2008

Honors:

RFBR grant 08-01-00395-a (principle investigator is V. A. Iskovskikh)

INTAS grant 05-100000-8118 (principle investigator is A. N. Parshin)

NSh grants 9969.2006.1, 1987.2008.1 (principle investigator is I. R. Shafarevich)

RFBR grant 04-01-00613 (principle investigator is F. L. Zak)

RFBR grant 04-01-00702 (principle investigator is A. V. Chervov)

Fellowship at Steklov Mathematical Institute, 2004–2007

Red Diploma, Moscow State University, 2004

Fellowship at Institute for Theoretical and Experimental Physics, 2002–2004

Fellowship at Moscow State University, 1999–2004

Fellowship at Independent University of Moscow, 1997–2008

I Degree Award, Olympiad of Russian Cities, 1997

II Degree Award, Russian Mathematical Olympiad, 1997