

CURRICULUM VITAE

Vladimir Gavran

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Education:

- M.S., 2016, National Research University - Higher School of Economics

Research Interests: Algebraic geometry, derived categories of coherent sheaves

Current position: Ph.D. student, HSE

Teaching Experience:

- Spring 2015: Teaching assistant, course "Advanced Algebra" (program "Math in Moscow")
- Fall 2015: Teaching assistant, course "Modern Algebra" (joint HSE-NES undergraduate program)

Publications:

- (with I.Burban and Y.Drozd) *Singular Curves and Quasi-hereditary Algebras*, Int. Math. Res. Notices. 2017 (3): 895-920. (arXiv:1503.04565 [math.AG])
- (with I.Burban and Y.Drozd) *Minors and resolutions of non-commutative schemes*, Eur. J. of Math. 2017, Volume 3, Issue 2, pp 311-341. (arXiv:1501.06023 [math.AG])
- (with Y.Drozd) *On Cohen-Macaulay modules over non-commutative surface singularities*, Cent. Eur. J. Math. 12, no.5 (2014) 675-687. (arXiv:1301.2999 [math.AG]).

Works in progress:

(with Chris Brav) Deformations of the tangent bundle of the Hilbert scheme of points

Research visits: University of Cologne, September 2014

Seminar talks:

Spring 2015:

- "Non-commutative and categorical resolutions of algebraic varieties" (Master's program seminar at NRU-HSE)
- "Loop spaces and cyclic homology" (Basic Homotopical Algebra seminar)
- "Exotic multiplications of modular forms" (Modular Forms seminar)

Spring 2016:

- "Fourier-Mukai transform and its applications in algebraic geometry" (Master's program seminar at NRU-HSE)
- "Fourier-Mukai transform and derived category of Hilbert scheme" (IUM-HSE seminar "Varieties")

Fall 2016:

- "Deformations of the tangent bundle of the Hilbert scheme of points" (Seminar "Geometric Structures on Manifolds")

Schools and conferences:

Winter School and Workshop "Higher Structures in Algebraic Analysis", Padua, February 10-21, 2014

Summer school "Algebra and Geometry", Yaroslavl, July 25-31, 2016