

Report on Academic Achievements, Fall 2017

Roman Krutovskiy

Attended courses:

- HSE courses
 - Algebra-3, A.S. Horoshkin
 - Analysis-3, A.M. Krasnoselskiy
 - Differential equations, S. V. Shaposhnikov
 - Topology (Smooth manifolds), S.M. Natanzon
 - Topological vector spaces, A. Yu. Pirkovskiy
 - Singularity theory, V.A. Vassiliev
 - Commutative algebra, C. Brav
 - Representation theory, B. L. Feigin
 - Galois theory, V. Vologodksy
- IUM courses
 - Lie groups and representation theory, G.O. Olshanski
 - Low dimensional topology seminar, A. Lightfoot
 - Complex geometry, A. V. Penskoï
 - Index theorems seminar, G. I. Sharygin

Expository talks:

- MSU, Geometry and topology seminar
 - *Borel spectral sequence and Dolbeault cohomologies*
- IUM, Index theorems seminar
 - *Cyclic and Hochschild homologies*
- HSE, Low-dimensional topology seminar
 - *Loop theorem and Dehn's lemma*
- HSE, Student seminar
 - *Properties of Todd genus*

TAing:

- Teaching assistant, HSE:
 - Logic and Algorithms
- Teaching assistant, IUM:
 - Topology-1
 - Geometry-1
- Teaching at School 1514
 - Addition math classes for 9th grades
- Teaching Math at Center of pedagogical skills for 7th grades