

# Geometrics and Topology

National Research University – Higher School of Economics

Degree or qualification is awarded: **Postgraduate diploma**

Language of study: **Russian, English**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **Only free tuition available**

Programme webpage at the university website: <https://aspirantura.hse.ru/en/math/in>

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The Faculty of Mathematics has over 130 members, including 14 invited ICM speakers. Our main research areas are algebraic geometry, geometric and algebraic topology, differential equations, dynamical systems, representation theory, functional analysis and mathematical and theoretical physics.

Some of our recent PhD graduates have gone on to be welcomed as postdocs and instructors in several of the highest ranked mathematics departments in the world.

Most graduate level courses and research seminars take place in English. Our PhD students who are interested in pure mathematics or theoretical physics can have their theses supervised by any member of:

- Faculty of Mathematics of the HSE as well as any of the associated international laboratories;
- Laboratory of Algebraic Geometry and its Applications (Scientific Director: F. Bogomolov);
- Laboratory of Representation Theory and Mathematical Physics (Scientific Director: A. Okounkov);
- Laboratory of Mirror Symmetry and Automorphic Forms (Scientific Director: L. Katzarkov);

## Specializations within this programme