Monday, November 2, 2026, from 4:45 p.m. to 6:20 p.m. (Moscow time), room 16-10 and ZOOM translation

Ivan N. Mikhailov

The geometry of the Gromov–Hausdorff class

The Gromov–Hausdorff distance is a beautiful construction in metric geometry that allows one to compare abstract metric spaces with each other. The talk is devoted to a survey of the current state of the geometry of the Gromov–Hausdorff distance in the context of the author's results obtained over the last few years. In the course of the talk, we will attempt to trace the path from the first theorems on distances between normed spaces and lattices in them, and the first "one-dimensional" nontrivial lower bounds on the Gromov–Hausdorff distance via ultrametrization, to recent results employing methods of algebraic topology, some notions of geometric group theory, and the geometry of various function spaces.

SCIENTIFIC SEMINAR
"DIFFERENTIAL GEOMETRY AND APPLICATIONS"
headed by Academician of RAS Anatoly T. Fomenko
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