



Colloquium

Wednesday, October 9, 2019, 4:05 p.m. (9th Period)
(in the Atrium)

Speaker: Dr. Alexander Dranishnikov

Title: Topology and Robot Motion Planning

Abstract: We consider a numerical homotopyinvariant called the Topological complexity (TC). The invariant was introduced by M. Farber who was motivated by problems in robotics. We discuss connections between the TC and other classic numerical invariants in topology such as the Lusternik-Schnirelmann category and dimension.