Fall 2025

Geometry and Topology Seminar

Title

Infinitely presented simple groups separated by homological finiteness properties

Speaker:	Xiaolei Wu, Shanghai Center for Mathematical Sciences of Fudan University
Date:	November 14, 2025
Time:	10:30AM (China Standard Time)
Tencent Meeting (VooV):	382 868 2051, Password: 202511

Abstract: I will first give an overview on the geometry and topology of infinite simple groups. Then I will talk about how Röver–Nekrashevych groups can be used to produce simple groups with interesting finiteness properties. In particular, I will explain how one could produce infinitely presented groups that are type FP_n but not FP_{n+1} for any n, or even type FP_∞. This is a joint work with Claudio Llosa Isenrich, Eduard Schesler.