

Fall 2025

Geometry and Topology Seminar

Title

Infinitely presented simple groups separated by homological finiteness properties

Speaker: Xiaolei Wu, Shanghai Center for Mathematical
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Date: November 14, 2025

Time: 10:30AM (China Standard Time)

Zoom Meeting: 531 316 1908, Password:

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.