Date: June 16

Speaker: Lauren Wickman

Title: On the Metrizability of the Universal Minimal Flow of Certain Automorphism Groups

Abstract: In this talk we will attempt to synthesize the current state of affairs regarding the metrizability of universal minimal flows. Many topological groups have been identified for which the universal minimal flows are non-metrizable, particularly the homeomorphism groups of high-dimensional manifolds (Gutman, Tsankov, and Zucker, 2019). We will examine some techniques for proving that the universal minimal flow for a certain group is non-metrizable and list at least one space that is currently under investigation as to whether or not it's automorphism group has metrizable universal minimal flow.