

Geometry, Topology and Dynamics Seminar

Geometry and dynamics of free group automorphisms

Caglar Uyanik (UIUC)

Abstract: A common theme in geometric group theory is to obtain structural results about infinite groups by analyzing their action on metric spaces. In this talk, I will focus on two geometrically significant groups; mapping class groups and outer automorphism groups of free groups. We will describe a particular instance of how the dynamics and geometry of their actions on various spaces provide deeper information about the groups.

Monday, February 6 at 3:00 PM in SEO 636