

Geometry, Groups and Dynamics/GEAR Seminar  
(held at the Illinois hub of GEAR )

**12:00 pm in 243 Altgeld Hall, Thursday, April 13, 2017**

Catherine Pfaff (UC Santa Barbara)

Stable Strata of Geodesics in Outer Space

Abstract: Outer automorphisms of free groups are understood via their action on Culler-Vogtmann Outer space. We study the behavior of geodesics in Outer Space by focusing on a class of geodesics that have strong stability properties. We further show that pathologies exist among these geodesics that don't occur, for example, in the Teichmuller space setting. This is joint work with Yael Algom-Kfir and Ilya Kapovich.

[Video](#)