

# Stanford Department of Mathematics Colloquium

## GEOMETRIES FOR AUTOMORPHISM GROUPS OF FREE GROUPS

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### Abstract

Groups of automorphisms of free groups act in interesting ways on a variety of beautiful geometric objects. I will describe some of these objects and explain how they are used to establish algebraic properties of the automorphism groups. In contrast, I will also describe rigidity phenomena for these groups which in particular restrict the types of objects on which they can act in any non-trivial way.

Thursday, February 21  
4:15 p.m.  
Room 380-F

<http://math.stanford.edu/coll/0708/>