



Speaker: Adam Moreno
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Monday, September 19, 2016

4:00 PM

129 Hayes-Healy Hall

Title: Isometric Actions and The Hsiang-Kleiner Theorem

Abstract:

The Hsiang-Kleiner theorem is a homeomorphism classification of positively curved Riemannian manifolds whose metric admits an isometric circle action. The proof of this beautiful theorem employs many important concepts from the theory of isometric actions and Riemannian geometry. In this talk, I will provide a rundown of the material necessary to appreciate the statement and its proof with a few pictures along the way.