

## Graduate Geometry, Topology and Dynamics Seminar

### *A Friendly Introduction to Hyperbolic Geometry*

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**Abstract:** Hyperbolic geometry comes up very frequently in geometric group theory, but courses aren't generally taught on it. This talk aims to be a friendly introduction into the sometimes counterintuitive properties of hyperbolic geometry. The talk will include basic visualization, geodesics, shapes, forms, isometries, my favorite shape, and a computer game recommendation. All are welcome, from undergrads in the math department to fellow geometry graduate students to professors, although the topic will likely be quite introductory.

Wednesday, September 13 at 3:00 PM in SEO 612