

abstract

Joint IAS/PU Geometric Analysis Seminar
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

Let Ω and $\tilde{\Omega}$ be domains in the hyperbolic plane with smooth boundary. Assume that both domains are uniformly convex, and have the same area. We show that there exists an area-preserving, orientation-preserving diffeomorphism $f: \Omega \rightarrow \tilde{\Omega}$ such that the graph of f is a minimal surface in $\mathbb{H}^2 \times \mathbb{H}^2$. Moreover, we show that the set of all such diffeomorphisms is parametrized by a circle.