

Dynamics Seminar

Marked boundary rigidity for Anosov type surfaces

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Abstract: Consider a smooth compact connected oriented surface with boundary of Anosov type, i.e., it has a strictly convex boundary, no conjugate points, and hyperbolic trapped set. We prove that if two metrics of Anosov type have same marked boundary distance, then they are isometric. One of the main ingredients is a new transfer principle showing that the marked length spectrum rigidity conjecture implies the marked boundary distance rigidity conjecture under the existence of a suitable isometric embedding into a closed Anosov manifold. This is joint work with Thibault Lefeuvre.

Wednesday, April 26 at 3:00 PM in 427 SEO