

SH property for unstable laminations and applications to uniqueness of u-Gibbs

jeudi 30 mai 2024 15:30 (1 heure)

Abstract: The SH-property for unstable laminations is a topological analog to positive center exponents for u-Gibbs measures. I plan to explain some abundance results for this property in the context of volume preserving partially hyperbolic diffeomorphisms with one-dimensional center and how this implies results on rigidity of u-Gibbs measures in dimension 3. This is part of a joint project in many combinations with A. Avila, S. Crovisier, A. Eskin, A. Wilkinson and Z. Zhang.

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