

**ABSOLUTELY CONTINUOUS INVARIANT MEASURES FOR
EXPANSIVE DIFFEOMORPHISMS OF THE 2-TORUS**

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ABSTRACT. (Joint work with M. Hirayama) The aim of this talk is to obtain an equivalent criterion for certain expansive diffeomorphisms of \mathbb{T}^2 to admit an invariant Borel probability measure that is absolutely continuous with respect to the Riemannian volume. Our result is closely related to the well known Livš-Sinai theorem for Anosov diffeomorphisms.