

Seminário de sistemas dinâmicos e estocásticos

IMECC - UNICAMP

Título: On the cardinality of measures of maximal relative entropy for smooth skew products.

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Resumo:

Let Ω and M be compact smooth manifolds and let $\Theta : \Omega \times M \rightarrow \Omega \times M$ be a $\mathcal{C}^{1+\alpha}$ skew-product diffeomorphism over an Anosov base. We show that Θ has at most countably many ergodic hyperbolic measures of maximal relative entropy. When $\dim M = 2$, if Θ has positive relative topological entropy, then Θ has at most countably many ergodic measures of maximal relative entropy. This is a joint work with Gary Froyland.