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Title:

Equilibrium states at the boundary of uniform hiperbolicity

Abstract:

We discuss existence and uniqueness of equilibrium states associated to continuous and Holder-continuous potentials in two cases. The first case is a non-uniformly hyperbolic system consisting of a horseshoe with a homoclinic tangency inside the limit set. For this system, the results are similar to the uniformly hyperbolic setting. The second case is a partially hyperbolic system displaying a heterodimensional cycle. For this system we have existence of equilibrium states for continuous potentials, but regularity does not imply uniqueness. The results are joint with R. Leplaideur (first case) and R. Leplaideur and K. Oliveira (second case).