Title: Horseshoes with large entropy.

Abstract:

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A hyperbolic set of a diffeomorphism can be continuated for the diffeomorphisms close:
the dynamics on the continuation is topologically conjugated to the dynamics of the initial
hyperbolic set, but the metric properties may be different.

Inspired by recent results of Moreira and Silva, we discuss how blenders can be obtained from
horseshoes with large topological entropy by C^1-perturbation of the dynamics.
A consequence is that robustly ergodic systems are C^1 dense among C^2 conservative partially
hyperbolic diffeomorphisms.

(Joint work with A. Avila and A. Wilkinson.)