

Titulo: Minimality or density of periodic points for transitive attractors.

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Abstract

For transitive and dissipative attractors of smooth surfaces diffeomorphisms, we prove that either the attractor is minimal and semiconjugated to an irrational rotation or it contains a non trivial homoclinic class with periodic points dense in the support of any invariant measure. Disclaimer: it is not used any perturbations arguments.

The particular case of two dimensional Arnold's family will be discussed.