Seminário de sistemas dinâmicos e estocásticos

IMECC - UNICAMP

Título: Dynamics of strongly dissipative planar piecewise linear continuous maps.

Armengol Gasull
Universitat Autonoma de Barcelona

Resumo:

The existence of planar invariant one-dimensional compact graphs that capture the global dynamics of continuous piecewise-linear planar maps, and on which the dynamics may be chaotic, has recently been investigated in several settings. In this talk, we show that this phenomenon is relatively general by studying simple examples of strongly dissipative continuous piecewise-linear planar maps. It is based on a joint work with Cima, Mañosa and Mañosas.