Mês de: Junho 2011

SEMINÁRIO DE SISTEMAS DINÂMICOS

Dia 29 de Junho (quarta-feira), às 15h, na Sala B3-01

"Exponential decay of correlations for Lorenz-like attractors"

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Abstract:

We construct open sets of C^k ($k \ge 2$) vector fields with singularities hat have robust exponential decay of correlations and satisfy the central limit theorem with respect to the unique physical measure. In particular we prove that the geometric Lorenz attractor has exponential decay of correlations with respect to the unique physical measure. Moreover, we discuss some open questions and further generalizations.

This is a joint work with V. Araújo.

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