∗ PROGRAMA DE VERÃO 2012 ∗
SISTEMAS DINÂMICOS

Decomposition of stochastic flows along complementary distributions

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Given two complementary distributions in the tangent bundle of a manifold, we find conditions to factorize an stochastic flow into a diffusion in the Lie group of diffeomorphisms which preserve the horizontal distribution, composed with a process in the Lie group of diffemorphisms which preserve the vertical distribution. This decomposition generalizes previous approach, e.g. using coordinate maps, by Ming Liao and others.

Data: 06 de Fevereiro, às 16:00
Local: Auditório Antônio Gilioli (247/262 A)