✳ PROGRAMA DE VERÃO 2012 ✳
SISTEMAS DINÂMICOS

Robust vanishing of all central Lyapunov exponents

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We describe C^2-open sets of iterated function systems on arbitrary compact manifolds admitting fully supported ergodic measures all whose Lyapunov exponents vanish. We also exploit the consequences for partially hyperbolic maps. The proofs follow the strategy introduced by Gorodetski, Ilyashenko, Kleptsyn, and Nalski, who consider one-dimensional center. In order to deal with higher dimensional center, it is convenient to consider the dynamics in the flag bundle. This is a joint work with C. Bonatti (Dijon) and L. J. Díaz (PUC-Rio).

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Local: Auditório Antônio Gilioli (247/262 -- A)