

UNICAMP – IMECC
Departamento de Matemática

Seminário de Sistemas Dinâmicos e Estocásticos

Expositor: S. Ferenczi (Université de la Méditerranée)

Título: Dynamic generalizations of the Lagrange spectrum

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Resumo. We compute two invariants of topological conjugacy, the upper and lower limits of the inverse of Boshernitzan's ne_n , where e_n is the smallest measure of a cylinder of length n , for three families of symbolic systems, the natural codings of rotations and three-interval exchanges and the Arnoux-Rauzy systems. The sets of values of these invariants for a given family of systems generalize the Lagrange spectrum, which is what we get for the family of rotations with the upper limit of $\frac{1}{ne_n}$.

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