



Seminário de Sistemas Dinâmicos da UFF

FLUCTUATIONS OF ERGODIC SUMS ON PERIODIC POINTS UNDER SPECIFICATION

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Data: 4 de Maio - Sexta-feira

Hora: 14h.

Local: Sala 407, 4º Andar, Bloco H, Campus do Gragoatá.

Resumo

We study the fluctuations of ergodic sums by the means of local and global specifications on periodic points. We obtain Lindeberg-type central limit theorems in both ways. As an application, when the system possesses a unique measure of maximal entropy, we show convergence to a mixture of normal distributions. Our results suggest to decompose the variances of ergodic sums according to local and global sources. Joint work with Manfred Denker and Samuel Senti.