



Seminário de Sistemas Dinâmicos da UFF

PERTURBATION THEORY FOR LINEAR INTEGRABLE HAMILTONIAN SYSTEMS

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Data: Sexta feira 7/11/2014

Hora: 16h.

Local: Sala de Seminários - 7º andar (Auditório da Pós-Graduação).

Resumo

The purpose of this talk is to discuss the validity of some fundamental results of Hamiltonian perturbation theory (KAM theory, Arnold diffusion, Nekhoroshev estimates) in the specific (yet important) case where the integrable Hamiltonian is linear.