



NICE WEAK KAM METHODS IN NICE

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Vadim Kaloshin
University of Maryland, USA

Polynomial energy transfer for lattice models with a finite range interaction

Abstract

We shall discuss a robust mechanism of energy transfer for certain models with a finite range interaction. This mechanism is related to a robust mechanism of diffusion along “long” resonances for finite dimensional Hamiltonian systems from the joint paper of the author with J. Bourgain.