

Almost periodically forced circle flows

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Abstract

Almost automorphy is a notion first introduced by S. Bochner in 1955 to generalize the almost periodic one. It is proven to be a fundamental notion in characterizing multi-frequency phenomena and their generating dynamical complexity in almost periodically forced monotone systems. The lecture will present some recent results on almost automorphic dynamics arising in almost periodically forced circle flows that are generated from almost periodically forced nonlinear oscillators and Hamiltonian systems.