



## Workshop on NEW TRENDS IN QUANTUM DYNAMICS AND ENTANGLEMENT 21 - 25 February 2011

## A Quantum Model of Almost Perfect Energy Transfer

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## Abstract:

Asymptotics of quantum dynamical semi-groups Abstract: We analyze the invariant states and the periodic states of positive maps, completely positive maps and completely positive maps that are continuous, restricted on evolution of matrix algebras. Though the results on invariant state are the same in all three cases positive maps allow more periodic states. Only for continuous completely positive maps periodic states are related to a Hamiltonian evolution.