

Krzysztof FRACZEK

Title: Deviation Spectrum of Ergodic Integrals for Locally Hamiltonian Flows on Surfaces

Abstract: The talk will consist of a long historical introduction to the topic of deviation of ergodic averages for locally Hamiltonian flows on compact surfaces as well as some current results obtained in collaboration with Corinna Ulcigrai and Minsung Kim. New developments include a better understanding of the asymptotic of so-called error term (in non-degenerate regime) and the appearance of new exponents in the deviation spectrum (in degenerate regime).