

# Lyapunov exponents of partially hyperbolic volume-preserving maps with 2-dimensional center bundle

Karina Marin <sup>1</sup>

<sup>1</sup> IMPA

## Resumo/Abstract:

We consider the set of partially hyperbolic symplectic diffeomorphisms which are accessible, pinched and bunched, and whose center bundle is 2-dimensional. We prove that non-uniformly hyperbolic maps form a  $C^r$  open subset, and that there exists a  $C^r$  open and dense subset of continuity points for the center Lyapunov exponents. We also generalize these results to volume-preserving systems.

This is a joint work with Chao Liang and Jiagang Yang.