

Observability on measurable sets of Schrödinger equations on tori

mercredi 2 juillet 2025 09:00 (45 minutes)

I will present in this talk some new results on the study of the control of Schrödinger equations on tori of arbitrary dimension, with controls acting on a large class of measurable sets. In particular, we obtain the first result of control of a dispersive PDE with controls acting on measurable time sets.

I will give in this talk a general introduction to such questions, then will discuss the specifics of the torus geometry and give a flavor of the proof of our results.

Joint work with Hui Zhu, New York University Abu Dhabi.

Author: BURQ, Nicolas (Orsay, France)

Orateur: BURQ, Nicolas (Orsay, France)