

Fabrizio Macià

Title: Control of Schrödinger-type equations

Abstract: In this course, we address the problem of observability and controllability of Schrödinger-type equations in compact manifolds. We mainly discuss the cases in which the manifold is a sphere or a torus; if time permits, we will analyze the effect on the control region and the control time of the presence of an electric or magnetic potential, as well as discrete Schrödinger equations on tori.