On the stability of the Schrödinger equation and applications to Quantum Control

lundi 26 juin 2023 14:00 (1 heure)

I will present a stability result for the non-autonomous Schrödinger equation that improves previously known results that date back to the 1970's. In particular, we have obtained a sharper bound for the estimates.

Based on these stability results I will present several applications to Quantum Control of infinite dimensional systems with possibly time-dependent domains for the operators.

This is joint work with A. Balmaseda and D. Lonigro.

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