ID de Contribution: **7**   Type: **Non spécifié**

Indirect Controllability of Two Interacting Qubits in the Presence of Dissipation: A First Analysis.

mardi 27 juin 2023 11:00 (1 heure)

We consider a bipartite open quantum system consisting of two interacting qubits, denoted by A and B, respectively. We assume that qubit A is coupled to the environment and is directly affected by coherent control, while qubit B does not interact directly with the environment and the control fields. We are interested in the
controllability properties of subsystem B.

We provide a first analysis of the problem and give some negative answers.

Orateur: VERZHANSKA, Kateryna