

Generators of Symmetric Quantum Markov Semigroups

vendredi 15 mars 2024 11:00 (1 heure)

Several symmetry conditions have been introduced to describe the dissipative part of a quantum Markov semigroup in detailed balance, most prominently the GNS and KMS symmetry condition. I will give an overview over recent results concerning the generators of GNS-symmetric and KMS-symmetric quantum Markov semigroups on arbitrary von Neumann algebras and their connections to derivations, building on earlier work by Cipriani and Sauvageot in the tracially symmetric case. This talk is partly based on joint work with Matthijs Vernooij.

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