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Resolvent theory for quantum dynamical semigroup

Quantum dynamical semigroup (QDS) is a solution of the Markov master equation. We describe all conservative (unital) extensions of the minimal QDS introduced by E. B. Davis. The parameterization of extensions is based on resolvent theory for QDS and on Krein-Milman theorem.

Reference: A. M. Chebotarev, Math. Notes 56 (1994), N.5-6, 1271–1282.