

## The induced semigroup to the space of Hilbert-Schmidt operators

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For every semigroup of Schwarz maps with an invariant faithful normal state there exists an induced semigroup of contractions on the space of Hilbert-Schmidt operators. Applications are given to the form of the generator of quantum Markov semigroups having an invariant faithful normal state. Joint work with Franco Fagnola and Matthew Ziemke.

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