

Functional Analysis in Quantum Information: some results

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Abstract

The fast growing area of Quantum Information is demanding collaboration of different scientific disciplines. I will present some results of Functional Analysis and their application to the solution of relevant questions in QI. Most of the talk will be based on [1] and related work.

References

- [1] D. Pérez-García, M. Wolf, C. Palazuelos, I. Villanueva, M. Junge *Unbounded violation of tripartite Bell inequalities*. *Comm. Math. Phys.* , **279** (2008)
<http://arxiv.org/abs/quant-ph/0702189>