



Mathematical Physics

# Probability measure generated by the superfidelity

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(Submitted on 14 Jul 2011)

We study the probability measure on the space of density matrices induced by the metric defined by using superfidelity. We give the formula for the probability density of eigenvalues. We also study some statistical properties of the set of density matrices equipped with the introduced measure and provide a method for generating density matrices according to the introduced measure.

Comments: 5 pages, 1 figure

Subjects: **Mathematical Physics (math-ph)**; Quantum Physics (quant-ph)

Journal reference: J. Phys. A: Math. Theor. 44 (2011) 405301

DOI: [10.1088/1751-8113/44/40/405301](https://doi.org/10.1088/1751-8113/44/40/405301)

Cite as: [arXiv:1107.2792](https://arxiv.org/abs/1107.2792) [math-ph]

(or [arXiv:1107.2792v1](https://arxiv.org/abs/1107.2792v1) [math-ph] for this version)

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[v1] Thu, 14 Jul 2011 11:36:32 GMT (1275kb,D)

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