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## **(I) Additive quantities cannot be more than asymptotically continuous**

*Thursday, 10 June 2021 16:50 (5 minutes)*

In this talk, we show that any non-constant quantity defined on density matrices that is additive on tensor products and invariant under permutations cannot be “more than asymptotically continuous.” The proof is a direct consequence of generalizing a protocol for embezzling entanglement. Joint work with Andrea Coladangelo.

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