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The energy cost of quantum information losses

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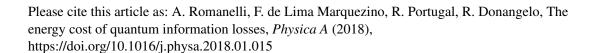
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We explore the energy cost of the information loss. We use the concept of entanglement temperature to obtain a lower bound for the energy.

We study the energy cost in the case of two dimensional quantum walk.

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