

Abstract Submitted
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On scalable, universal adiabatic quantum computation ARI MIZEL, Laboratory for Physical Sciences — We investigate scalable, universal adiabatic quantum computation. We exhibit a specific Hamiltonian of local one- and two-body interactions for which the ground state (a) yields the correct answer with high probability and (b) is provably fault-tolerant against local excitations. The effects of finite temperature are discussed.

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None

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