

1135-81-613

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A stable spectral gap in a quantum spin system guarantees the persistence of many important properties of the quantum system through small perturbations. Using quasi-adiabatic evolution, also known as spectral flow, S. Michalakis and J.P. Zwolak previously established spectral gap stability for a large class of Hamiltonians defined with periodic boundary conditions. In this talk, we will present an extension of their stability result to one dimensional systems of spins or fermions interacting with open boundary conditions, a class of models containing the well known Affleck-Kennedy-Lieb-Tasaki spin chain. (Received September 10, 2017)