



Snack &

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Isospectral Reductions and Quantum State Transfer

Monday, May 1, 2023 | 12:30-1:30 PM | 3301 Exploratory Hall / Zoom

Abstract

A critical problem in quantum information theory involves the transfer of a quantum state through a network of interacting qubits. In recent years, a large body of literature has been produced that has looked at this problem using tools from algebraic and spectral graph theory. I will discuss one such tool, the isospectral reduction, that has recently been shown to be closely tied to the quantum state transfer question.

Zoom link: <https://go.gmu.edu/qcseminar>

About the Seminar Series

The Quantum Computing Seminar Series are a series of working seminars organized and hosted by QSEC's quantum computing subgroup on Mondays. These events are free and open to the public. More information is available on QSEC's Computing Events and Mathematical Sciences Department's Quantum Computing Seminars. For any questions, contact qsec@gmu.edu.

Light snacks and coffee will be provided at the beginning of the seminar.