

Snack &



Dr. Chi-Kwong Li

Department of Mathematics, William & Mary

Quantum error correction schemes for channels with fully correlated noise

Monday, April 17, 2023 | 12:30-1:30 PM | 3301 Exploratory Hall / Zoom

Abstract

Quantum error correction is used in quantum computing to protect quantum information from errors due to decoherence and other quantum noise. We will give a brief introduction to some basic techniques in constructing quantum error schemes with or without syndrome measurement. Some recent theoretical and numerical results obtained by IBM quantum computers for quantum channel with fully correlated noise will be described.

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 gsec@gmu.edu.

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