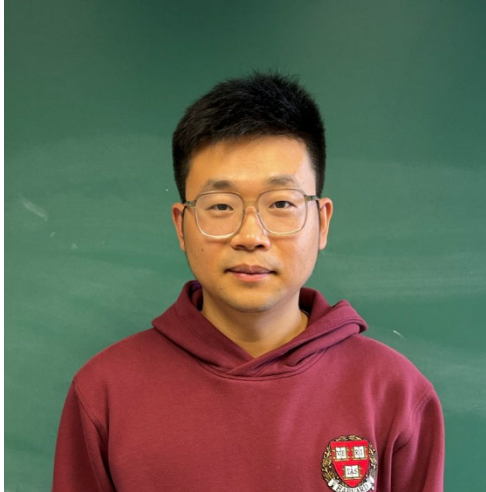




HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Mathematical Picture Language Seminar



Wednesday, April 29

3:00 p.m. Boston time

Jefferson 368 and Zoom

Kaifeng Bu

Ohio State University

Hamiltonian Decoded Quantum Interferometry for General Pauli Hamiltonians

Abstract: Decoded Quantum Interferometry (DQI) has been recently proposed as a new quantum algorithm for optimization. Hamiltonian Decoded Quantum Interferometry (HDQI), an extension of DQI, adapts this paradigm to Hamiltonian optimization and Gibbs state preparation. In this work, I will introduce HDQI for general Pauli Hamiltonians and discuss its application to the approximation of Gibbs states.



Zoom QR Code & Link:

<https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJZzZqT3lwV2pCT1ZUQT09>

Passcode: 657361

<https://mathpicture.fas.harvard.edu/seminar>