



HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Mathematical Picture Language Seminar



Tuesday, November 8

9:30 a.m. Boston time

Kushal Seetharam

Harvard University

Quantum Simulation of Parameter-Averaged NMR Experiments

Abstract: Solid-state NMR and EPR spectroscopy are widely used tools in biology and chemistry. Interpreting these experiments, however, often requires fitting to simulations of the system's spin dynamics, a task made computationally challenging due to the large ensembles of parameters that must be averaged over. I will discuss how quantum simulators may facilitate this task, presenting protocols for parameter-averaged simulations of the relevant spin dynamics.



Zoom QR Code & Link:

<https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJVzZqT3lwV2pCT1ZUQTog>

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