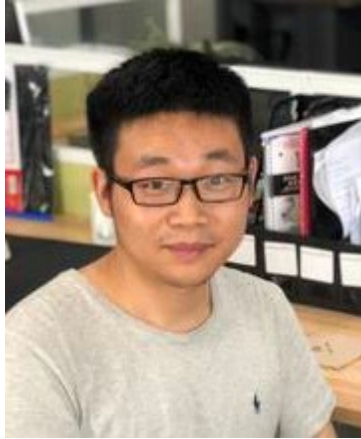




HARVARD UNIVERSITY  
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# Mathematical Picture Language Seminar



**Tuesday, October 15**

**4:30 p.m. Boston time**

**Jefferson 356 and Zoom**

**Kaifeng Bu**

Ohio State University

## **A universal framework for Gaussian test**

**Abstract:** Exploring the boundary between the classical and quantum computation is one of the fundamental problems in quantum computation, which plays an important role in the study of quantum advantage. In this talk, I will introduce a new protocol for fermionic Gaussian testing by using 3 copies input states, where the protocol is based on the fermionic convolution. In addition, I will introduce the non-Gaussian measures to quantify the amount the non-Gaussianity.



**Zoom QR Code & Link:**

<https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJVzZqT3lwV2pCT1ZUQT09>

**Passcode: 657361**

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