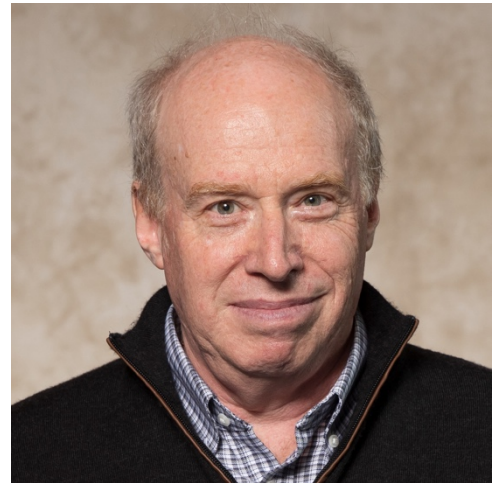# Mathematical Picture Language Seminar

Tuesday, February 7, 2023

9:30 a.m. Boston time

Dan Freed
University of Texas

What is an anomaly?

Abstract: Anomalies in quantum field theory have been the subject of attention for decades. In this talk I will dispel some myths: anomalies are tied to symmetry, anomalies are tied to fermionic fields, etc. Then I will explain how anomalies—expressed as invertible field theories—are the manifestation of the projectivity of quantum field theory. My point of view is summarized by a slogan: Quantum theory is projective. Quantization is linear.

Zoom QR Code & Link:
https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUlJVzZqT3lwV2pCT1ZUQT09

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