

Chen-wei (Milton) Lin
Department of Mathematics
Johns Hopkins University
Baltimore, MD 21218
clin130@jhu.edu

November 19, 2024

Division of Applied Mathematics
Brown University, Box F
182 George Street
Providence, RI 02912

Dear Members of the Appointment Committee,

I am writing to apply for the Prager Assistant Professorship. As a Ph.D. candidate in pure mathematics at Johns Hopkins University under the supervision of Professor David Gepner, I focus on arithmetic geometry, the geometric Langlands program, and higher category theory. Recently, I have begun projects on the foundations of machine learning and its intersection with neuroscience. I expect to complete my degree in May 2025.

The position's emphasis on interdisciplinary research aligns strongly with my current academic interests. I am excited about the opportunity to contribute to your vibrant research community. I am particularly looking forward to collaborating with Professors Carina Curto, Stuart Geman, Lucein Bienenstock, and Matthew Harrison, whose expertise I admire and hope to learn from. I have provided further details about my interest in my statement and hope to transition from a background of pure to applied mathematics.

Enclosed are my curriculum vitae, research and teaching statement. I have arranged for recommendation letters from the following professors:

- David Gepner (Mathematics, Johns Hopkins University), gepner@jhu.edu
- Professor Yiannis Sakellaridis (Mathematics, Johns Hopkins University), sakellar@jhu.edu
- Professor Xinwen Zhu (Mathematics, Stanford University), zhuxw@stanford.edu
- Daniel Kahshabi (Computer Science, Johns Hopkins University), danielk@cs.jhu.edu, who will provide a recommendation from the Computer Science perspective.

Thank you for considering my application. Please let me know if there is any additional information I can provide.

Sincerely,



Chen-wei (Milton) Lin