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December 1, 2024

California Institute of Technology
Mathematics Department 253-37
ATTN: Search Committee
1200 E. California Blvd.
Pasadena, CA 91125

Dear Members of the Appointment Committee,

I am Chen-wei (Milton) Lin, a Ph.D. candidate in pure mathematics at Johns Hopkins University, focusing on arithmetic geometry, geometric Langlands, homotopy theory, and foundations of machine learning. Under the supervision of Professor David Gepner, I expect to complete my degree in May 2025. I am writing to apply for the Sherman Fairchild/Scott Russell Johnson Teaching Fellowship in Mathematics. I am eager to engage with the department and collaborate with its faculty, particularly Professors Matilde Marcolli, Sergei Gukov, Matthias Flach, and Elena Manatovan, whose work I greatly admire and from whom I hope to gain valuable insights.

My cover letter, curriculum vitae, research statement, teaching statement, and list of publications are enclosed with this application. In addition, I have arranged for four research letters from mathematics professors – David Gepner (gepner@jhu.edu), Yiannis Sakellaridis (sakellar@jhu.edu), David Hansen (dhansen@nus.edu.sg) and Xinwen Zhu (zhuxw@stanford.edu) – as well as one letter from a computer science professor, Daniel Khashabi (danielk@cs.jhu.edu).

Please let me know if there is anything else I can provide. Thank you in advance for your consideration.

Sincerely,

Chen-wei (Milton) Lin