Mathematical Picture Language Seminar

Tuesday, September 20

9:30 a.m. Boston time

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Determining distributions of groups from their moments

Abstract: Just as moments of a distribution of real numbers are a powerful tool that (if they are not too large) determine the distribution uniquely, we can consider certain averages as moments of a distribution of groups (or more general algebraic structures). We discuss how these moments determine a distribution of groups uniquely and how that can be applied to find distributions of fundamental groups of random 3-manifolds, fundamental groups of curves over finite fields, and to give conjectures for distributions of important groups arising in number theory such as class groups.

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

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