Mathematical Picture Language Seminar

Tuesday, September 12

9:30 a.m. Boston time

Jefferson 453

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Limit multiplicities, trace formulas and von Neumann dimensions

Abstract: Given a tower of lattices in a semisimple Lie group G, we will discuss the multiplicity of an irreducible representation of G in the L^2-space of functions on the quotients. We apply the Arthur-Selberg trace formulas to consider a bounded family of representations. We will show the limit multiplicities are exactly the von Neumann dimensions if the lattices are uniform or G is SL(n).

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

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