



HARVARD UNIVERSITY  
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# Mathematical Picture Language Seminar



**Tuesday, October 11**

**9:30 a.m. Boston time**

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## Kazhdan's property (T) for $\text{Aut}(F_n)$ and $\text{EL}_n(\mathbb{R})$

**Abstract:** Kazhdan's property (T) for groups has a number of applications in pure and applied mathematics. I will report the recent development by several hands on the heavily computer assisted methods of proving property (T) (with math rigor), which eventually confirmed property (T) for  $\text{Aut}(F_n)$ ,  $n > 3$ , thus solving a well-known problem in geometric group theory. I then talk about my recent human effort in coping with the computer assisted proof.



Zoom QR Code & Link:

<https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJVzZqT3lwV2pCT1ZUQTog>

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