Department of Mathematics,
University of California San Diego

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Math 209 - Number Theory Seminar

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Resolutions of locally analytic principal series representations of $GL_2(F)$

Abstract:

Locally analytic representations of p-adic analytic groups have played a crucial role in many areas of arithmetic and representation theory (including in p-adic local Langlands program) since their introduction by Schneider and Teitelbaum. In this talk we will briefly review some aspects of the theory of locally analytic representations. Then, for a locally analytic representation V of $GL_2(F)$ we will construct a coefficient system attached to the Bruhat-Tits tree of $Gl_2(F)$. Finally we will use this coefficient system to construct a resolution for locally analytic principal series of $GL_2(F)$.

Special Note:
Pre-talk at 1:30pm

Host: Kiran Kedlaya

Thursday, January 14, 2021
2:00 PM
Location: see https://www.math.ucsd.edu/~nts/

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