

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : Kazuki Tokimoto (Academia Sinica)

Title : Affinoids in the Lubin-Tate Space at Infinite Level and the Local Langlands Correspondence

Abstract :

The l -adic étale cohomology of the Lubin-Tate spaces is known to realize the local Langlands correspondence for $GL(n)$ and the local Jacquet-Langlands correspondence (the non-abelian Lubin-Tate theory). While it is highly interesting and important, the known proof is somewhat indirect and does not tell much about the relation between representations and the geometry of the Lubin-Tate spaces.

In this talk I will explain a result where families of affinoid subspaces of the limit space of the Lubin-Tate spaces are constructed and the l -adic cohomology of each reduction realizes the correspondences for a certain class of representations.

Time : 11:00 - 12:30, Wednesday, March 4, 2020

Venue : Room 202, Astro-Math. Buidling (NTU Campus)

Organizer : Sheng-Fu Chiu (Academia Sinica), Jia-Yuan Dai (National Center for Theoretical Sciences)

Refreshment : 10:30

https://www.math.sinica.edu.tw/www/file_upload/conference/2016TPS/index.html

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