

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 6 בינואר, 2026

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

the in compatibility local-global of Ramfications correspondence Langlands local p mod

חינתן על-ידי

(BIU) Schein Michael

תקציר: The correspondence Langlands local p mod is expected to be realized in the natural way. It is known that the cohomology of $GL_2(Q_p)$ depends on the choice of r and n . In the case of $GL_2(Q_p)$, the cohomology is known to be independent of r and n when r is generic. However, for $GL_n(F)$, the cohomology depends on r and n . The goal of this talk is to discuss the compatibility of the local and global cohomology of $GL_n(F)$ and the role of the Langlands conjectures in this context.

functor, the under image its compute to enough are $\pi(r)$ of invariants known to up least at \mathbb{Q}_p , to F from r of induction tensor the be to out turns which inertia. to restriction extending partially results new some present and ideas these discuss will talk The arguments The \mathbb{Q}_p . of extension quadratic ramified a is F where case the to them of element key A case. unramified the of those to orthogonal essentially are p mod of structure submodule the of) (enough of determination the is proof the valuation the of quotients finite some over GL_2 of representations series principal terms in description combinatorial a admit to out turns structure This F . of ring base in integers certain adding when performed are carries where columns the of p .

Familiarity Morra. S. with and Waxman R. with works joint discusses talk The other the with familiarity not but assumed, be will carrying with addition with above. mentioned notions