

Séminaire Groupes Réductifs et Formes Automorphes

Le 6 novembre 2017 à 10h30 (Jussieu)

Ordinary representations and locally analytic socle for $GL_n(\mathbb{Q}_p)$.

Exposé de Florian Herzig
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Résumé :

Suppose that ρ is an irreducible automorphic n -dimensional global p -adic Galois representation that is upper-triangular locally at p . In previous work with Breuil we constructed a unitary representation of $GL_n(\mathbb{Q}_p)$ on a p -adic Banach space (depending only on ρ locally at p) that is an extension of finitely many principal series, and we conjectured that this representation occurs globally in a space of p -adic automorphic forms cut out by ρ . In work in progress we prove many new cases of this conjecture, assuming that ρ is moreover crystalline with distinct Hodge-Tate weights.