

Séminaire Groupes Réductifs et Formes Automorphes

Le 9 mars 2020 à 10h30 (Jussieu)

On automorphy lifting for semi-stable representations.

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Résumé :

Automorphy lifting theorems aim to show that a p -adic global Galois representation that is unramified almost everywhere and de Rham at places dividing p is associated to an automorphic representation, provided its reduction modulo p is. In the past years there has been a lot of progress in the case of polarizable representations that are crystalline at p . In the semi-stable case much less is known (beyond the ordinary case and the 2-dimensional case).

I will explain how one can use results about p -adic automorphic forms in combination with the Taylor-Wiles method to deduce the semi-stable case from the crystalline case.