

Séminaire Groupes Réductifs et Formes Automorphes

Le 7 novembre 2016 à 10h30 (Jussieu)

A p-adic Waldspurger formula

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Résumé : In this talk, I will explain a p-adic Waldspurger formula proved by Bertolini–Darmon–Prasanna under the Heegner condition, and in full generality later by Liu–Zhang–Zhang. I will start with a classical Waldspurger formula on complex modular forms and a Gross–Zagier formula on rational modular forms, then define p-adic modular forms, p-adic L-functions, p-adic period integrals, and finally state a p-adic Waldspurger formula.