

Séminaire de théorie des nombres

Le 09 janvier 2017 à 14h (PRG)

Eisenstein cocycles and values of L-functions in imaginary quadratic extensions

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Résumé : R. Szzech constructed an explicit cocycle in the group cohomology of $GL(n)$ that parametrizes values of partial zeta functions of totally real fields. We generalize Szzech's method to extensions of imaginary quadratic fields, in this case giving values of certain Hecke L-functions previously considered by Colmez. If time permits, we will also discuss work in progress interpolating these values to a p-adic L-function, following the method of Charollois and Dasgupta. This is joint work with J. Flórez and C. Karabulut.