



ID de Contribution: 56

Type: Non spécifié

On a conjecture of Gross and explicit formula for Gross-Stark units

mardi 9 juillet 2019 14:00 (1 heure)

In this talk I will report on my joint work in progress with Samit Dasgupta on the tower of fields conjecture first formulated by Gross. This proves a conjecture of Dasgupta on explicit p -adic analytic formulae for Gross-Stark units. These units, when considered for all primes of a totally real number field F , generate the maximal abelian CM extension of F and therefore our work can be considered as giving a p -adic analytic solution to Hilbert's 12th problem.

Summary

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Classification de Session: Galois representations and modular forms