Séminaire de théorie des nombres

Le 30 avril 2007 à 14h

Fontaine's crystalline conjecture revisited

Exposé de Fabrizio Andreatta (Università di Milano)

Résumé : I will present a new proof of the comparison isomorphism between p–adic étale cohomology and crystalline cohomology (with coefficients). The main ingredient are suitable sheaves, on a site introduced by Faltings, which sheafify Fontaine's rings of periods. This is a joint work with A.Iovita and O.Brinon.