

Séminaire de théorie des nombres

Le 25 novembre 2024 à 14h (PRG)

Motivic cohomology of singular schemes

Exposé de Tess Bouis
(University of Regensburg, Germany)

Résumé : I will present a new theory of motivic cohomology for general (qcqs) schemes, which generalises the construction of Elmanto-Morrow over a field. It is related to non-connective algebraic K -theory via an Atiyah-Hirzebruch spectral sequence. In particular, it is non- A^1 -invariant in general, but it recovers classical motivic cohomology on smooth schemes over a field (by the work of Elmanto-Morrow) or over a Dedekind domain (by recent work in progress with Arnab Kundu). I will also discuss how one can import results from p -adic Hodge theory to study this theory of motivic cohomology.