

Exposé du jeudi 19 janvier 2012

ON RIGID SYNTOMIC COHOMOLOGY.

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Résumé : We will give an account on a recent joint work with B. Chiarellotto and A. Ciccioni and a future development. Let R be a complete discrete valuation ring of mixed characteristic $(0, p)$. The rigid syntomic cohomology defined by A. Besser is a tool to study cycles on smooth R -schemes. These groups pack together the de Rham cohomology of the generic fiber and the rigid cohomology of the special fiber. We will show how to prove some of the the Bloch-Ogus axioms for this syntomic cohomology theory. I will also give some details about a motivic interpretation of this theory. The latter part is a work in progress in collaboration with F. Deglise.

¹Les jeudis matin, de 10 h 30 à 11 h 30, salle 004, IRMAR (bâtiment 22), Université de Rennes 1, Campus de Beaulieu