

Title : On some recent work of Gabber in étale cohomology.

by Luc Illusie

Abstract : Gabber has recently proven a basic finiteness conjecture in étale cohomology, regarding the direct images of constructible sheaves by morphisms of finite type between excellent schemes. The main new ingredient in the proof is a deep local resolution theorem. I will recall the history of the problem, give an outline of the proof, and discuss some by-products.