Summary: We give a proof of Gabber’s presentation lemma for finite fields. We first prove this lemma in the special case of open subsets of the affine plane using ideas from Poonen’s proof of Bertini’s theorem over finite fields. We then reduce the case of general smooth varieties to this special case.

MSC:
14F42 Motivic cohomology; motivic homotopy theory
14G15 Finite ground fields in algebraic geometry

Cited in 1 Document

References:

[7] The Stacks Project Authors, Stack project.