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Leibniz
Universität
Hannover

Oberseminar
Institut für Algebraische Geometrie

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On a torsion analogue of the weight-monodromy
conjecture and its applications

I will talk about a torsion analogue of the weight-monodromy conjecture for a proper smooth scheme over a local field. I will prove it for surfaces and for the equal characteristic case. In the equal characteristic case, the proof relies on an ultraproduct variant of Weil II recently established by A.Cadoret. As applications, I will discuss some finiteness properties of the Brauer group and the Chow group of codimension two cycles of a proper smooth scheme over a local field.

Donnerstag, 7.11.2019

12 - 13, Raum g117

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.