Oberseminar
Zahlentheorie und Arithmetische Geometrie

Arne Smeets

(Lille / Leuven)

"On a monodromy trace formula for varieties over discretely valued fields"

Let R be a local ring which is complete for a discrete valuation, with fraction field K and algebraically closed residue field k. Let X be a smooth, proper K-variety. Nicaise conjectured that the rational volume of X is equal to the trace of the tame monodromy operator on the l-adic cohomology of X, if X satisfies a cohomological tameness condition. We prove his conjecture for a large class of varieties satisfying this condition: those with logarithmic good reduction.

Mittwoch, 29.04.2015
ab 16:00 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie
und Diskrete Mathematik