

The logo of Leibniz University Hannover, featuring the numbers 111, 102, and 1004 arranged in a grid-like pattern with vertical lines.

Leibniz
Universität
Hannover

Oberseminar Zahlentheorie und arithmetische Geometrie

Haluk Sengun

(Sheffield)

Cohomology of arithmetic groups and Fermat's Last Theorem

We use two fundamental reciprocity conjectures in the Langlands Programme that involve the cohomology of arithmetic groups and derive an algorithmically testable criterion for a number field K which, if satisfied, implies the truth of asymptotic Fermat's Last Theorem over K . Most imaginary quadratic fields satisfy the criterion. This is joint work with Samir Siksek (Warwick).

Donnerstag, 12.04.2018, 12:00 – 13:00, a410

Alle Interessierten sind herzlich eingeladen.