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Leibniz  
Universität  
Hannover

# Oberseminar

## Zahlentheorie und Arithmetische Geometrie

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### "Iterating the algebraic étale-Brauer obstruction"

When studying the arithmetic properties of rational points on varieties, one is often led to use suitably defined obstruction sets.

Poonen asked whether iterating the étale-Brauer set (which is currently the smallest known obstruction set) can ever give a finer obstruction set. We tackle the algebraic version of Poonen's question and show that, in many general cases, iteration doesn't yield any new information on the arithmetic behaviour of rational points.

**Sondertermin:** Montag, 23.05.2016

ab 13:00 Uhr, Raum f428

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik