



11
102
1004

Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

Dr. Christopher Frei
(Alexander von Humboldt-Stipendiat, Leibniz Universität Hannover)

"Rational points on cubic surfaces"

Only very little is known about the asymptotic distribution of rational points on smooth cubic surfaces. In 1998, Slater and Swinnerton-Dyer proved lower bounds of the (conjecturally) correct order of magnitude for rational points of bounded height on cubic surfaces that contain two skew rational lines.

We discuss a new straightforward proof of this result that relies on a fibration of the surface into conics. Our proof has the additional advantage of working over arbitrary number fields.

Montag, 27.10.2014
ab 14:15 Uhr, Raum a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt, Prof. Dr. M. Cuntz, Prof. Dr. U. Derenthal

Institut für Algebra, Zahlentheorie
und Diskrete Mathematik