

The logo of Leibniz University Hannover, featuring a stylized representation of the university's architecture in white on a blue background. The numbers 11, 102, and 1004 are arranged vertically, with a vertical line separating the first two from the last one.

11
102
1004

Leibniz
Universität
Hannover

Oberseminar Zahlentheorie und arithmetische Geometrie

Tanya Kaushal

(IST Austria)

Counting Fourier-Mukai partners of ordinary K3 surfaces

In this talk, I will discuss derived categories of ordinary K3 surfaces over a field of positive characteristic and show that the Fourier-Mukai partners of an ordinary K3 surface are in one-to-one correspondence with the Fourier-Mukai partners of the geometric generic fiber of its canonical lift, thereby giving an implicit counting formula for them.

This result is a part of my PhD thesis.

Donnerstag, 13.12.2018, 12:00 – 13:00, g117

Alle Interessierten sind herzlich eingeladen.