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Leibniz
Universität
Hannover

Oberseminar Zahlentheorie und arithmetische Geometrie

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(Amsterdam)

Complex multiplication and K3 surfaces over finite fields

The zeta function of a K3 surface over a finite field satisfies a number of obvious (archimedean and l -adic) and a number of less obvious (p -adic) constraints. We consider the converse question, in the style of Honda-Tate: given a rational function Z satisfying all these constraints, does there exist a K3 surface whose zeta-function equals Z ?

Donnerstag, 26.05.2016, 12:00 – 13:00, a410

Alle Interessierten sind herzlich eingeladen.