



Leibniz
Universität
Hannover

Oberseminar Zahlentheorie und arithmetische Geometrie

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Singular K3 surfaces of small class number.

A fundamental question in arithmetic geometry is to know when a variety over \mathbb{C} admits a model over \mathbb{Q} or some number field. The case of elliptic curves is already well understood. It is natural to ask what happens in the case of K3 surfaces. In this talk I will mention recent results in this problem for K3 surfaces of maximal Picard rank as well as obstructions in the field of definition and a possible way to handle this problem with elliptic fibrations.

Donnerstag, 05.12.2019

12:00 - 13:00, Raum g117

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.