



Leibniz
Universität
Hannover

Oberseminar
Institut für Algebraische Geometrie

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Curves on K3 surfaces .

Bogomolov and Mumford proved that every projective K3 surface contains a rational curve. Since then, a lot of progress has been made by Bogomolov, Chen, Hassett, Li, Liedtke, Tschinkel and others, towards the stronger statement that any such surface in fact contains infinitely many rational curves. In this talk I will present joint work with Xi Chen and Christian Liedtke completing the remaining cases of this conjecture over the complex numbers, reproving some of the main previously known cases more conceptually and extending the result to arbitrary genus.

Donnerstag, 12.12.2019

16:30 - 17:30, Raum b302

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.