



Leibniz
Universität
Hannover

Oberseminar

Institut für Algebraische Geometrie

Richard Haburcak

(Darmouth College / HIM Bonn)

Maximal Brill–Noether loci

Classical Brill–Noether theory studies linear systems on a general curve in M_g . A refined Brill–Noether theory studies the linear systems on curves with a given Brill–Noether special linear system. As a first step, one would like to understand the stratification of M_g by Brill–Noether loci. In this talk, we'll introduce the Maximal Brill–Noether loci conjecture, and discuss recent progress via the established refined Brill–Noether theory for curves of fixed gonality and via studying unstable Lazarsfeld–Mukai bundles on K3 surfaces. This is joint work with Asher Auel and Hannah Larson.

Donnerstag, 09.11.2023, 14:30 - 15:30, F107.

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Alle Interessierten sind herzlich eingeladen.