



Leibniz
Universität
Hannover

Oberseminar
Institut für Algebraische Geometrie

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**Surfaces on cubic fourfolds via stability
conditions.**

Any cubic fourfold has an associated K3 category, defined by Kuznetsov as a semiorthogonal component of the derived category. I will explain some geometric applications of stability conditions on this K3 category, in particular the construction of special surfaces on cubic fourfolds and relations to the rationality problem. This is based on joint work in progress with Arend Bayer, Aaron Bertram, and Emanuele Macri.

Donnerstag, 06.05.2021

16:30 - 17:30

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Alle Interessierten sind herzlich eingeladen.