Oberseminar
Institut für Algebraische Geometrie

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Geometric interpretation of toroidal compactifications of moduli of points in the line and cubic surfaces.

Understanding the interplay between geometric and Hodge theoretical compactifications of a given moduli space is one of the main challenges in algebraic geometry. In ongoing work with Matt Kerr and Luca Schaffler, we discuss such interplay for certain moduli spaces of points in the line and the moduli space of cubic surfaces. More specifically, we expand Deligne-Mostow's results by showing that the toroidal compactifications of their ball quotients are isomorphic to appropriate Hassett's moduli spaces of weighted stable rational curves. For cubic surfaces, we prove that Naruki's compactification is toroidal and that it has a modular interpretation in terms of stable pairs.

Donnerstag, 14.05.2020

16:00 - 17:00

Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.