



Leibniz
Universität
Hannover

Oberseminar
Institut für Algebraische Geometrie

Ivan Cheltsov
(University of Edinburgh)

K-stability of Fano 3-folds

A smooth Fano manifold admits a Kahler-Einstein metric if and only if it is K-polystable (K-stable if the automorphism group is finite). In this talk, I will explain how to prove and disprove K-polystability and K-stability using basic tools of birational geometry. The talk will be focused on smooth Fano threefolds. This is a joint group project with Carolina Araujo, Ana-Maria Castravet, Kento Fujita, Anne-Sophie Kaloghiros, Jesus Martinez-Garcia, Constantin Shramov, Hendrick Süß, and Nivedita Viswanathan.

Donnerstag, 11.06.2020

14:00 - 15:00

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Alle Interessierten sind herzlich eingeladen.