



Leibniz
Universität
Hannover

Oberseminar

Institut für Algebraische Geometrie

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A combinatorial description of the Gorenstein index for varieties with torus action

Toric Fano varieties build an important example class in algebraic geometry as their high symmetry allows to describe them in a purely combinatorial manner via the so-called Fano polytopes. The anticanonical complex is a combinatorial tool that was invented to extend the features of the Fano polytope to wider classes of varieties. In this talk we give an outline of the construction of anticanonical complexes and show how they can be used to read off the Gorenstein index of Fano varieties with torus action of higher complexity in full analogy to the toric Fano polytope.

Donnerstag, 28.11.2024, 16:30 - 17:30, B302.

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Alle Interessierten sind herzlich eingeladen.