



Leibniz
Universität
Hannover

Oberseminar Institut für Algebraische Geometrie

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Torsion in Griffiths groups

The Griffiths group $Griff^i(X)$ of a smooth complex projective variety X is the group of nullhomologous codimension i cycles modulo algebraic equivalence. Recently Schreieder gave the first examples of smooth complex projective varieties X for which the Griffiths group has infinite torsion. In his examples the infinitely many torsion classes are of order 2. In this talk, we show that for any integer $n \geq 2$ there is a smooth complex projective 5-fold X whose third Griffiths group contains infinitely many torsion elements of order n .

Donnerstag, 20.04.2023,

16:30-17:30, Raum F142.

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Alle Interessierten sind herzlich eingeladen.