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# Seminar des SFB/TRR 326 GAUS

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Freitag, 15.12.2023

## Theodosios Alexandrou

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spricht über das Thema

### Torsion in Griffiths Groups

The Griffiths group  $\text{Griff}^i(X)$  of a smooth complex projective variety  $X$  is the group of nullhomologous codimension- $i$  cycles on  $X$  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  $n$ .

Ort: **INF 205, SR A**

Beginn: **13:30 Uhr**

Alle Interessenten sind herzlich eingeladen.

Dr. Morten Lüders