

Otto-von-Guericke-Universität Magdeburg  
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

Herr Julius Giesler

(Universität Tübingen)

über das Thema

## **Lattice polytopes and hypersurfaces in toric 3-folds**

**Zoom-Koordinaten:** Meeting ID: 951 9966 2620 / Passcode: 461614

**Zeit:** Dienstag, 29. Juni 2021, 14.00 Uhr

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Prof. Benjamin Nill

**Abstract:** We consider lattice polytopes and think of these as Newton polytopes of some Laurent polynomials. Then we discuss some modifications of these polytopes and illustrate these modifications and further results at some examples of 3-dimensional polytopes. Most of the talk is elementary and just requires some familiarity with lattice polytopes and its normal fans, but we also mention applications to algebraic geometry.