

Otto-von-Guericke-Universität Magdeburg  
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

Herr Dr. Hendrik Süß  
(Friedrich-Schiller-Universität Jena)

über das Thema

## **Mahler volumes and normalised volumes of singularities**

**Zoom-Koordinaten:** Zoom Meeting-ID 971 4945 5855, passcode 490213

**Zeit:** Dienstag, 23. November 2021, 13.00 Uhr

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Prof. Benjamin Nill

**Abstract:** In my talk I will discuss the notion of normalised volume for log terminal singularities. For the special case of toric singularities this turns out to be closely related to the notions of Mahler volume and Santaló point in convex geometry. I will explain how well-known facts from convex geometry can be utilised to deduce non-trivial statements about toric singularities. The Mahler conjecture will have a short appearance as well. This is joint work with Joaquín Moraga [<https://arxiv.org/abs/2111.01738>].