Otto-von-Guericke-Universität Magdeburg
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

Sofía Garzon Mora

(Freie Universität Berlin)

über das Thema

Fine Polyhedral Adjunction Theory

Der Vortrag findet dual statt.
per Zoom Meeting ID 971 4945 5855, passcode 490213 oder G02-210

Zeit: Dienstag, 7. Juni 2022, 13.00 Uhr

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Prof. Dr. Benjamin Nill

Abstract: An adjoint polytope of a lattice polytope P is the polytope obtained from P by pushing its facets inwards by some parameter. Polyhedral Adjunction Theory studies the behavior of such adjoint polytopes and their properties. In this talk we will explore invariants that can be defined on adjoint polytopes and some of the existing results and applications of these invariants. Moreover, we will expand this theory into the so-called Fine Polyhedral Adjunction Theory where the adjoint polytopes are taken in a slightly modified way. We will see how invariants of these new Fine adjoint polytopes are defined and how they help improving some of the existing results from classical polyhedral adjunction.