

Otto-von-Guericke-Universität Magdeburg
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

Waltraud Lederle
(TU Dresden)

über das Thema

Boomerang subgroups

Zeit: Dienstag, 5. Dezember 2023, 14.00 Uhr, G02-210 oder
per Zoom Meeting ID 971 4945 5855, passcode 490213

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Prof. Dr. Petra Schwer

Abstract: Given a locally compact group, its set of closed subgroups can be endowed with a compact, Hausdorff topology. With this topology, it is called the Chabauty space of the group. Every group acts on its Chabauty space via conjugation. This action has connections to rigidity theory, Margulis' normal subgroup theorem and measure preserving actions of the group via so-called Invariant Random Subgroups (IRS). I will give a gentle introduction into Chabauty spaces, IRS and mention a few classical results. I will explain how in recent work with Yair Glasner we get deterministic versions of some of the classical results via a new concept called boomerang subgroup.