Otto-von-Guericke-Universität Magdeburg
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

Julia Heller
(KIT)

über das Thema

Conformal Dimension of the Boundary for Hyperbolic Coxeter Groups

Zeit: Dienstag, 17. Oktober 2023, 13.00 Uhr, G02-210 oder
per Zoom Meeting ID 971 4945 5855, passcode 490213

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Dr. Yuri Santos Rego

Abstract: Classifying groups upto quasi-isometry is a classical task in geometric group theory. Even in the nice class of Coxeter groups, this classification is still widely open in general. The goal of this talk is to present a visual algorithm to give a lower bound on the conformal dimension of the boundary of a hyperbolic, one-ended Coxeter group and to show how this contributes to the quasi-isometry classification. All necessary concepts will be introduced. This is ongoing joint work with Tullia Dymarz, Heejoung Kim, Hanh Vo, and Anne Thomas.