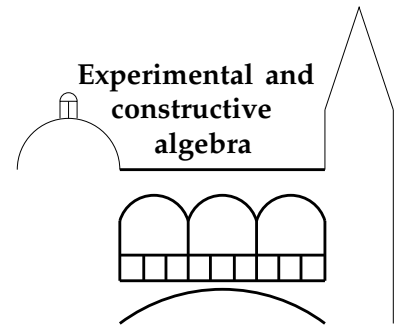


Graduiertenkolleg

Experimentelle und konstruktive Algebra



Kolloquiumsvortrag

Dienstag, 23. April 2019, 14:15 Uhr, Hörsaal III (Hauptgebäude Raum 1010|107)

MARKUS BAUMEISTER (LEHRSTUHL B FÜR MATHEMATIK):
Classification of geodesic self-dual surfaces

In the first part of the talk, I give a definition of combinatorial surfaces by using their flag structure and define the notion of geodesic duality between combinatorial surfaces.

Then, I present a partial classification of all geodesic self-dual regular surfaces, which relies on a group-theoretic structure underlying the combinatorial surfaces.

In the second part of the talk, I explore the group-theoretic underpinnings of the classification in more detail. In particular, I present several different approaches to distinguish finitely presented groups.

Wir laden alle Interessierten herzlich ein.