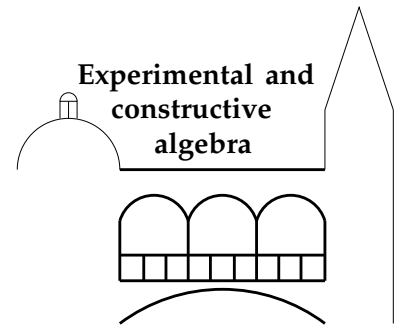


Graduiertenkolleg

Experimentelle und konstruktive Algebra



Kolloquiumsvortrag

Dienstag, 11. Dezember 2018, 14:15 Uhr, Hörsaal IV

GHISLAIN FOURIER (LEHRSTUHL B FÜR MATHEMATIK):
Flag varieties - Degenerations and combinatorics

In the first part, I'll define the flag variety from various points of view, using Linear Algebra, using Commutative Algebra, using Representation Theory or maybe even using Buildings.

In the second part, I'll introduce a class of degenerations of the flag variety, the so-called linear degenerations. The study of these degenerations is still work in progress and I'll present the state of art, the classification of flat linear degenerations, the classification of flat, irreducible linear degeneration, etc. The second part will be mostly combinatorial, with the appearance of Catalan and Genocchi numbers.

Wir laden alle Interessierten herzlich ein.