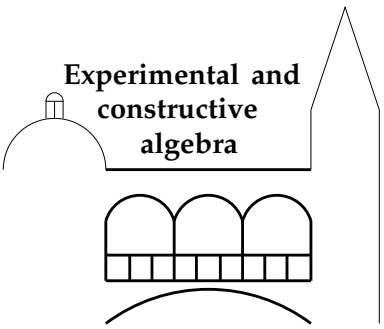
Graduiertenkolleg

Experimentelle und konstruktive Algebra



Kolloquiumsvortrag

Dienstag, 25. Juni 2019, 14:15 Uhr, Hörsaal III (Raum 1010|107)

Hans Franzen (Ruhr-Universität Bochum):
Some cohomological and geometric properties of quiver Grassmannians

A quiver Grassmannian is a variety which parametrizes subrepresentations of a given representation of a quiver. As every projective variety can be realized as a quiver Grassmannian, no special properties can be expected without restricting to special types of representations. We will see that a quiver Grassmannian associated with a representation without self-extensions is rational, its Chow ring is isomorphic to its cohomology ring and its cohomology is torsion free. Moreover, a quiver Grassmannian of a representation of Dynkin or affine type admits a cell decomposition. This talk is partially based on joint work with G. Cerulli Irelli, F. Esposito, and M. Reineke.

Wir laden alle Interessierten herzlich ein.