
CAROLINE JUNKINS, University of Ottawa

Torsion in the gamma-filtration for groups of inner type D_n

For a linear algebraic group G , the twisted gamma-filtration provides a tool for constructing torsion elements in the gamma-filtration on the Grothendieck group of a projective G -homogeneous variety. The existence and behaviour of such an element is primarily determined by the indices of the Tits algebras of G . In this talk, we provide a torsion element for groups of inner type D_n , and discuss the relationship to algebras with orthogonal involution.