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**Caroline Junkins\*** (cjunkins@uwo.ca). *Rational Bundles in the Grothendieck group of a Twisted Grassmannian.*

For a group  $G$  of type  $A_n$ , we consider a parabolic subgroup  $P$  and the projective homogeneous variety given by  $G/P$ . If  $G$  is non-split, then a result of Panin states that the Grothendieck group of  $G/P$  can be described in terms of the Steinberg basis and the set of Tits algebras of  $G$ .

In this talk, we construct elements in the Grothendieck group of this twisted Grassmannian which are independent of the Tits algebras of  $G$  and relate these so-called rational bundles to other invariants of the group  $G$ . (Received February 02, 2015)