

# Queen's Algebraic Geometry — Seminar —

## ESTIMATING TORSION USING THE TWISTED GAMMA-FILTRATION

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### Abstract

For the Grothendieck group of a split simple linear algebraic group, the twisted  $\gamma$ -filtration provides a useful tool for constructing torsion elements in  $\gamma$ -rings of twisted flag varieties. In the present talk, we construct a non-trivial torsion element in the  $\gamma$ -ring of a complete flag variety twisted by means of a PGO-torsor. This generalizes the construction in the HSpin case previously obtained by Zainouline.

Monday 29 October 2012  
16:30 – 17:30  
319 Jeffery Hall