

1110-05-349

Andrew Berget* (andrew.berget@wwu.edu), Department of Mathematics, Bellingham, WA 98225. *Vector bundles associated to realizable matroids.*

Torus orbit closures in the Grassmannian are known to correspond to realizable matroids (over a fixed field). There is a large family of vector bundles over the Grassmannian whose cohomology is well understood and have deep connections to combinatorics. After reviewing this, I will present a result on how these vector bundles restrict to the torus orbit closures within the Grassmannian. (Received February 24, 2015)