1073-05-135 **Andrew Berget*** (berget@math.ucdavis.edu) and **Alex Fink**. *On projective equivalence classes of matrices.* Preliminary report.

We consider the projective equivalence class of an r-by-n matrix v, whose columns are thought of as a realization of a rank r matroid on n elements. The Zariski closure of such an equivalence class is an affine variety that caries the action of a linear algebraic group. In this talk I will describe a set of equations that cut out this variety as well its boundary points. (Received July 30, 2011)