

1086-05-1565 **Andrew Berget*** (aberget@uw.edu). *Conjectures on some vector bundles associated to matroids.*

In this talk I will describe some vector bundles on toric varieties associated to matroids. The higher cohomology groups of these bundles are conjectured to vanish and I will discuss the motivation and implications of this. This is intended to be an expository talk. In particular, no familiarity with the relevant cohomology theory will be needed or assumed. (Received September 23, 2012)