1102-14-239 **Sandra Di Rocco**, Royal Institute of Technology (KTH), **Kelly Jabbusch**, University of Michigan—Dearborn, and **Gregory G. Smith***, Queen's University, Kingston. *Positivity properties of vector bundles on smooth toric varieties.* Preliminary report.

Extending the well-known dictionary between line bundles and polytopes, we will explain how to associate a collection of polytopes to a torus-equivariant vector bundle on a smooth complete toric variety. Using this collection, we will compare and contrast various positivity properties for vector bundles such as ample, nef, globally generated, and very ample. (Received July 29, 2014)