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Andrew Berget* (berget@math.ucdavis.edu), Department of Mathematics, University of California, Davis, CA 95616, and **Jia Huang**, School of Mathematics, University of Minnesota, Minneapolis, MN 55455. *Torus sieving of finite Grassmannians.*

The definition of the cyclic sieving phenomenon was recently extended to include the action of an arbitrary finite abelian group. Natural examples of this are found in the action of various tori on finite Grassmannians. I will discuss ongoing work with Jia Huang on this “torus sieving phenomenon,” giving explicit formulae for the polynomials involved. (Received January 16, 2011)