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Catalin Zara*, Department of Mathematics, University of Massachusetts, 100 Morrissey Boulevard, Boston, MA 02125. *Positivity in Equivariant Schubert Calculus: A Symplectic Approach.*

A recent result of Goldin and Tolman gives a formula for computing generators for the equivariant cohomology ring of certain spaces with Hamiltonian torus actions, by computing the restrictions to the fixed points. For flag varieties of type A, that formula can be used to obtain a new proof of Billey's positive formula. I will discuss the cases of the other classical groups. (Received January 22, 2008)