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Benjamin Wyser (bwyser@illinois.edu), 1409 W. Green St, Urbana, IL 61801, and
Alexander Yong* (ayong@uiuc.edu), 1409 W. Green Street, Urbana, IL 61801. *Polynomials for symmetric orbit closures in the flag variety.*

An isomorphism of A. Borel '53 presents the cohomology ring of the flag variety as the coinvariant algebra of type A . We discuss K -orbit closures associated to the symmetric pairs (GL_n, K) . By analogy with the combinatorial theory of Schubert polynomials established by A. Lascoux–M. P. Schützenberger '82, we describe representatives in Borel's presentation for the class of each closure. (Received January 16, 2015)