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Oscar S Kivinen* (okivinen@ucdavis.edu). *Springer theory for symmetric spaces in type A.*

Recently, Chen-Vilonen-Xue, Lusztig-Yun and Shoji-Yang considered a generalization of Springer theory to symmetric spaces in type A. I will discuss the combinatorics of the block decomposition of the category of equivariant perverse sheaves on cone of nilpotent symmetric matrices and explain some applications to cohomology of Hessenberg varieties. (Received February 21, 2018)