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**David Anderson\*** ([anderson.2804@osu.edu](mailto:anderson.2804@osu.edu)). *Diagrams and essential sets for signed permutations.*

The essential set of a permutation, defined via its Rothe diagram by Fulton in 1992, gives a minimal list of rank conditions cutting out the corresponding Schubert variety in the flag manifold. I will describe an analogous notion for signed permutations, giving minimal conditions for Schubert varieties in flag varieties for other classical groups. This is related to a poset-theoretic construction of Reiner, Woo, and Yong, and thus gives a diagrammatic method for computing the latter. (Received September 08, 2016)