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*Lusztig Slices in the Affine Grassmannian*

I will introduce the type A affine Grassmannian as a homogeneous space of lattices. Then I will define Lusztig slices in the affine Grassmannian, which are isomorphic to subvarieties of the cone of nilpotent matrices. The goal of the talk is to explain a natural action of an additive group on these Lusztig slices and Hamiltonian reductions between the slices.