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Title: Quiver varieties and double affine Grassmannian

Abstract : Braverman and Finkelberg recently proposed an affine analog of the geometric Satake correspondence via moduli spaces of G-instantons on a simple singularity of type  $A_l$ . These moduli spaces play the role of affine Grassmanian for an affine Lie algebra for G (so double affine Grassmannian). When G is of type  $A_r$ , the moduli spaces are quiver varieties, and are related also to an affine Lie algebra, but is of type  $A_l$  by my work some years ago. Two affine Lie algebras are related by I. Frenkel's level-rank duality. We then discuss the convolution diagrams for tensor products and branching are interchanged in the two picture.