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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.