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Koszul duality of affine Kac-Moody algebras and cyclotomic rational DAHA

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(Submitted on 1 Jul 2011)

We give a proof of the parabolic/singular Koszul duality for the category O of affine Kac-Moody algebras. The main new tool is a relation between moment graphs and finite codimensional affine Schubert varieties. We apply this duality to q-Schur algebras and to cyclotomic rational double affine Hecke algebras.

Subjects:	**Representation Theory (math.RT)**
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