

Cluster structure on the Drinfeld double of $GL(n)$

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We describe a generalized cluster structure on the Drinfeld double of the group $GL(n)$ equipped with the standard Poisson Lie bracket. This generalized cluster structure restricts to the known cluster structure on $GL(n)$ and to a generalized cluster structure on its dual Poisson–Lie group. *This work is a part of the joint project with M. Shapiro and A. Vainshtein on constructing cluster structures compatible with Belavin–Drinfeld Poisson–Lie brackets on simple Lie groups.*

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