



Seminar/Talk

Shifted quantum groups, cluster algebras and geometric character formulas

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Host: Xujia Chen & Tamas Hausel

Shifted quantum groups emerged from the study of quantized Coulomb branches (which are symplectic duals to quiver varieties). We show that the Grothendieck ring of the category \mathcal{O} for the shifted quantum affine algebras has the structure of a cluster algebra (it work with Geiss and Leclerc). This has several applications, such as geometric character formulas for simple classes corresponding to cluster variables.

Thursday, April 23, 2026 01:15pm - 03:15pm

Office Bldg West / Ground floor / Heinzl Seminar Room (I21.EG.101)



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