

Quantum Topology / Hopf Algebra Seminar

Khovanov-Lauda-Rouquier algebras in Representation Theory

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Abstract: This talk continues from last week: The idea of "categorification" has now entered the representation theory of semisimple Lie algebras and finite groups of Lie type. Khovanov and Lauda defined certain algebras using diagrams of the kind familiar to knot theorists. These algebras now play a role in the categorification mentioned above. In this talk we will explain some of these ideas.

Tuesday, November 3 at 3:00 PM in SEO 512