

Three dualities: Schur-Weyl, skew Howe, Koszul

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The talk relates classical dualities, like Schur-Weyl or skew Howe, to categorification methods. The BGG category \mathcal{O} and various Khovanov type diagram algebras play an important role here. Furthermore the idea of varying the categorical objects to obtain new “classical” dualities will be explored.

This is joint work with Catharina Stroppel.

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