

# Adding or deleting arrows of a bound quiver algebra and Hochschild (co)homology

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This is a talk by E. Marcos on a joint work of C. Cibils, M. Lanzilotta, E. Marcos and A. Solotar.

We describe how the Hochschild (co)homology of a bound quiver algebra changes when adding or deleting arrows to the quiver. The main tools are relative Hochschild (co)homology, the Jacobi-Zariski long exact sequence obtained by A. Kaygun and a one step relative projective resolution of a tensor algebra.