

Volodymyr Mazorchuk
2-representations of Soergel bimodules

Abstract: The aim of this talk is to describe recent progress in the study of 2-representations of the 2-category of Soergel bimodules over the coinvariant algebra of a finite Coxeter group. For finite Weyl groups this 2-category is biequivalent to the 2-category of projective functors on the principal block of the BGG category \mathcal{O} associated with the corresponding finite dimensional simple complex Lie algebra. Based on a joint work with Tobias Kildetoft (Uppsala University), Marco Mackaay (University of Algarve) and Jakob Zimmermann (Uppsala University).