

Workshop on Combinatorial Hopf Algebras
and Macdonald Polynomials

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Harmonic analysis on some super vector spaces

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Abstract

Shifted analogues of Schur- Q -functions have been defined by Okounkov and further studied by Ivanov. We show that these functions can be obtained in the same way as shifted Schur functions by considering the spectrum of invariant differential operators on the space of symmetric or skew-symmetric matrices considered as purely odd super vector spaces.

This is joint work with Michael Weingart.