THE FIELDS INSTITUTE

FOR RESEARCH IN MATHEMATICAL SCIENCES

ABSTRACTS 1.2

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Tilting modules for Schur algebras

Tilting modules for Schur algebras have a Weyl filtration and a dual Weyl filtration. We are especially interested in the filtration multiplicities; these are also equal to decomposition numbers for Schur algebras, and for symmetric groups. We will describe an alternative parametrization for tilting modules of Schur algebras $S(3, r)$ over characteristic 2, and possibly more generally.