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Pieri rules for symmetric group characters

The irreducible characters of the symmetric group are symmetric polynomials evaluated at the eigenvalues of permutation matrices. In fact, these characters can be realized as symmetric functions that form a non-homogeneous basis for the ring of symmetric functions. The structure coefficients for the (outer) product of these functions are the stable Kronecker coefficients. In this talk we describe the Pieri rules for this new basis. This is joint work with Mike Zabrocki