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*Quasisymmetric and noncommutative Schur functions*

Haglund, Mason, van Willigenburg, and this author introduced a family of quasisymmetric functions which we call quasisymmetric Schur (QS) functions. We extend these to skew QS functions, which are counterparts to the classical skew Schur functions. Intimately related to these are the duals of the QS functions, which are noncommutative analogs of the classical Schur functions, having analogous properties such as a Littlewood-Richardson rule.

Joint work with Christine Bessenrodt and Stephanie van Willigenburg.