



Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

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Prof. Dr. Stephanie van Willigenburg
The University of British Columbia, Canada

"Skew quasisymmetric Schur functions"

In this talk we investigate further the basis of quasisymmetric Schur (QS) functions, which partition Schur functions in a natural way and refine many well known combinatorial Schur function properties.

More precisely, we extend the definition of QS functions to define skew QS functions, which likewise partition skew Schur functions. We see how they exhibit a Littlewood–Richardson rule that projects naturally onto the classical rule. Furthermore, we observe how these functions arise in the study of both the noncommutative Schur functions of Rosas–Sagan, and the unrelated ones of Fomin–Greene.

This is joint work with Christine Bessenrodt, and Kurt Luoto.

Dienstag, 15.06.2010
ab 15:15 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover
Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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