Oberseminar
zur
Algebra und Algebraischen Kombinatorik

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(Leibniz Universität Hannover)

"The decomposition of 0-Hecke modules associated to quasisymmetric Schur functions"

The Hopf algebra QSym of quasisymmetric functions is related to the representation theory of the 0-Hecke algebra by the quasisymmetric characteristic map. It contains the Hopf algebra of symmetric functions Sym and thereby the Schur functions.

In 2011, Haglund, Luoto, Mason and van Willigenburg defined the quasisymmetric Schur functions as a quasisymmetric analogue and refinement of Schur functions. In 2015, Tewari and van Willigenburg constructed modules of the 0-Hecke algebra that are mapped to quasisymmetric Schur functions by the quasisymmetric characteristic. The goal of this talk is to present the decomposition of these modules into direct sums of indecomposable submodules.

Montag, 23.10.2017
ab 14:15 Uhr, a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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