



Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

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"The number of ribbon Schur functions"

We present formulas for the number of distinct ribbon Schur functions of a given size, and of a given size and height.

Ribbon Schur functions are skew Schur functions $s_{\lambda/\mu}$ indexed by ribbons, also known as rim hooks or border strips. These are connected skew shapes that do not contain a 2×2 rectangle.

Ribbon Schur functions of size n are a generating set for the homogeneous symmetric functions of degree n . For these functions, Louis J. Billera, Hugh Thomas, and Stephanie van Willigenburg gave a criterion for deciding when two of them are equal. We use this criterion to count the number of distinct ribbon Schur functions of a given size.

Montag, 30.05.2011

ab 14:15, Raum a410 Uhr

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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