Leibniz Universität Hannover

Oberseminar

zur

Algebra und Algebraischen Kombinatorik

Paul Mücksch

(Leibniz Universität Hannover)

"Recursively Free Reflection Arrangements"

Let $W \subseteq \mathrm{GL}(V)$ be a finite complex reflection group acting on the complex vector space $V = \mathbb{C}^\ell$ and let $\mathcal{A}(W)$ be the associated reflection arrangement consisting of all the reflecting hyperplanes of W. Terao has shown that all such reflection arrangements are free. There are stronger notions of freeness motivated by Terao's famous Addition-Deletion-Theorem, namely *inductive freeness* and *recursive freeness*. Recently, Hoge and Röhrle have classified all inductively free reflection arrangements. It is natural to ask, which of the not inductively free reflection arrangements from Hoge's and Röhrle's list are recursively free. In this talk, we give a classification of all recursively free reflection arrangements.

Mittwoch, 29.04.2015

ab 10:00 Uhr, Raum a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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