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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

Prof. Dr. Susanna Fishel
(Arizona State University)

"The Number of Shi Regions with a Given Separating Wall"

The Shi arrangement is a well-studied collection of hyperplanes in \mathbb{R}^n , of interest in algebra and combinatorics. Any hyperplane arrangement dissects its ambient space into regions. The regions in the Shi arrangement are enumerated by well-known sequences: all regions by the parking functions numbers, the dominant regions by the Catalan numbers, dominant regions with a given number of certain separating walls by the Narayana numbers.

In this talk, I will instead fix certain hyperplanes in the arrangement and discuss the enumeration of the regions which have that hyperplane as a separating wall. This is joint work with E. Tzanaki and M. Vazirani.

Mittwoch, 08.07.2015

ab 12:00 Uhr, Raum g117

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie
und Diskrete Mathematik