



Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

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„Many geometric realizations of graph associahedra“

Graph associahedra are natural generalizations of the classical associahedra. They provide polytopal realizations of the nested complex of a graph G , defined as the simplicial complex whose vertices are the tubes (i.e. connected induced subgraphs) of G and whose faces are the tubings (i.e. collections of pairwise nested or non-adjacent tubes) of G . They appeared in the work of M. Carr and S. Devadoss, and were further studied by A. Postnikov, by E.-M. Feichtner and B. Sturmfels, and by A. Zelevinsky. Recently, they also appeared in the work of T. Lam and P. Pylyavskyy on linear Laurent phenomenon algebras. This talk will present various geometric realizations of graphical nested complexes.

Based on joint work with Thibault Manneville (LIX).

Dienstag, 01.03.2016

ab 14:15 Uhr, Raum f435

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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