



Oberseminar zur Algebra und Algebraischen Kombinatorik

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"Birational sequences and toric degenerations of flag varieties"

Toric degeneration provides a general method of transforming geometric properties of varieties to combinatorial ones of polytopes. Starting from Hodge, different tools are applied to construct such degenerations: standard monomial theory, Groebner theory, quantum groups, cluster algebras, tropical geometry, etc...

In this talk I will first explain briefly how to unify the known toric degenerations of flag varieties by means of a notion called birational sequences (joint work with G. Fourier and P. Littelmann). After that I will concentrate on Grassmannians, to illustrate the interplay between the Britto–Cachazo–Feng–Witten recursion in scattering amplitudes, the cluster duality and birational sequences.

Donnerstag, 26.04.2018
ab 14:15 Uhr, a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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