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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

Jan Grabowski
(Lancaster University, GB)

"Clusters, combinatorics, grading, twisting and quantization"

Cluster algebras are currently playing a prominent role in several areas of mathematics, including Lie theory, representation theory and geometry (via mirror symmetry). We will introduce gradings on cluster algebras in a very natural way and show how to find and classify gradings, especially in finite types where cluster categories play a significant part.

On the one hand, gradings bring out some beautiful combinatorics, in the form of frieze patterns, but we will also consider some more algebraic applications of gradings. These include a "twisting" construction that is important for quantizing cluster algebra structures.

Montag, 02.06.2014
ab 16:00 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt, Prof. Dr. M. Cuntz, Prof. Dr. U. Derenthal

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