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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

Prof. Dr. Karin Baur
(Universität Graz)

"A frieze (pattern) determinant"

Frieze patterns of integers were discussed by Conway and Coxeter in the 70's. They arise from triangulations of polygons. Broline, Crow and Isaacs later associated a matrix to such a frieze pattern and established that its determinant is independent of the chosen triangulation.

In joint work with R. Marsh (Leeds) we generalize their result to the corresponding frieze pattern of cluster variables arising from a cluster algebra of type A. We give a representation theoretic interpretation of this result in terms of configurations of indecomposable objects in the root category of type A.

Mittwoch, 19.09.2012
15:30 – 16:30 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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