
# Oberseminar
## zur
## Algebra und Algebraischen Kombinatorik

**Prof. Dr. Michael Cuntz**

**(Leibniz Universität Hannover)**

## „Frieze patterns over rings“

**Frieze patterns were introduced by Conway and Coxeter as certain arrays of positive integers with a condition on subdeterminants. They are closely related to cluster algebras, since every such pattern may be viewed as a specialization of cluster variables in type A, and they are in bijection with triangulations of a convex polygon by non-intersecting diagonals. Generalizing classical friezes leads to many interesting observations.**

**In this talk, we consider frieze patterns with entries in an arbitrary ring. In this general setting, the combinatorics seem to get very complicated. However, for instance the case of the Gaussian integers produces new rules and transformations, as well as a recursive construction.**

**Montag, 19.12.2016**
**ab 14:00 Uhr, Raum a410**
**Hauptgebäude der Leibniz Universität Hannover**

**Alle Interessierten sind herzlich eingeladen.**

**Institut für Algebra, Zahlentheorie**
**und Diskrete Mathematik**