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Leibniz  
Universität  
Hannover

# Oberseminar zur Algebra und Algebraischen Kombinatorik

apl.Prof. Dr. Thorsten Holm  
(Leibniz Universität Hannover)

## " $SL_2$ tilings and triangulations"

$SL_2$  tilings have been introduced by Assem, Reutenauer and Smith in connection with friezes, and they are motivated by their applications to cluster algebras. An  $SL_2$  tiling assigns to each integral point in the plane a positive natural number such that each adjacent  $2 \times 2$ -matrix has determinant 1. In the talk we present the construction of a large class of new  $SL_2$  tilings, containing the previously known ones.

More precisely, there is a bijection between our class of  $SL_2$  tilings and certain explicit combinatorial objects, namely triangulations of the strip.

**Montag, 15.04.2013**  
**ab 14:15 Uhr, Raum a410**  
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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