

# Oberseminar

zur

## Algebra und Algebraischen Kombinatorik

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### "Maximal rigid objects as noncrossing bipartite graphs"

Let  $Q$  be a Dynkin quiver of type  $A_n$  and  $C(Q)$  the orbit category of the corresponding bounded derived category with respect to the autoequivalence  $\tau\Sigma^2$ , where  $\tau$  is the AR-translate and  $\Sigma$  is the shift functor. Using work of Riedtmann on selfinjective algebras, we construct a combinatorial model of this category, which allows us to give a classification of the maximal rigid objects in terms of certain noncrossing bipartite graphs. Moreover, we describe the corresponding endomorphism algebras in terms of quivers with relations.

Montag, 10.12.2012

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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