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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

Prof. Dr. Karin Baur
(Universität Graz, A)

"Rigid objects and torsion pairs in tubes"

A tube of rank n is a module category with n simple objects, its Auslander Reiten quiver lies on a cylinder (infinite in one direction).

In this talk, we explain how tubes can be described using a graphical description: the indecomposable objects of such a tube correspond to certain arcs in an annulus with n marked points on the boundary.

We can use this description to understand maximal rigid objects in (extended) tubes and torsion pairs in tubes.

This is joint work with A. Buan and R. Marsh.

Sondertermin

Mittwoch, 07.12.2011
ab 14:30 Uhr, Raum a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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