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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

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

"Cluster categories of Dynkin type D: torsion pairs and mutation"

Part 1 (Speaker: T. Holm)

We present a classification of torsion pairs in the cluster categories of Dynkin type D, via a bijection to new combinatorial objects called Ptolemy diagrams of type D. This is joint work with P. Jorgensen and M. Rubey, arXiv:1303.1684.

Part 2 (Speaker: S. Gratz)

Mutation of torsion pairs in triangulated categories and its combinatorial interpretation for cluster categories of Dynkin type A have been studied by Zhou and Zhu. In this talk we present a combinatorial model for mutation of torsion pairs in cluster categories of Dynkin type D, using Ptolemy diagrams of type D, which were introduced by Holm, Jorgensen and Rubey.

Montag, 01.07.2013
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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