



Oberseminar zur Algebra und Algebraischen Kombinatorik

Dr. David Pauksztello
Leibniz Universität Hannover

"An introduction to co-t-structures"

The idea of a co-t-structure on a triangulated category is almost "dual" to that of a t-structure but with some important differences. They have been used in order to understand Grothendieck's weight filtration in Voedvosky's triangulated category of motives in work of Bondarko (where they are called weight structures), in work of Achar and Treumann to prove purity and decomposition theorems for staggered sheaves, and in representation theoretic setting in the work of Mendoza et al in connection with the Auslander-Buchweitz context.

In this talk we discuss some of the basic properties of co-t-structures, examine some basic examples and compare and contrast their behaviour with that of t-structures.

Dienstag, 13.07.2010
ab 15:15 Uhr, Raum a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

Institut für Algebra, Zahlentheorie
und Diskrete Mathematik