Leibniz Universität Hannover

Oberseminar
zur
Algebra und Algebraischen Kombinatorik

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"*Compactly generated t-structures in the context of Grothendieck's derivators*"

The theory of triangulated categories is the best framework to do homological algebra. However, for some purposes, the axioms of triangulated categories are too flexible. Consequently, you can define the notion of countable direct limit, but this construction is not functorial or exact. To enhance the notion of triangulated category, one can use Grothendieck's notion of derivator. In this context, we prove that countable direct limits are functorial and exact. This has a nice effect when constructing t-structures.

Montag, 06.12.2010
ab 14:00 Uhr, Raum a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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