Oberseminar
zur
Algebra und Algebraischen Kombinatorik

Dr. David Ploog
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"Spherical subcategories"

Objects of triangulated categories with minimal (1-dimensional) endomorphism ring are called "exceptional" and are well understood. Next, objects with 2-dimensional endomorphism ring and a self-dual property are called "spherical" and also well understood. In this talk, I discuss what happens when the duality property is dropped. It turns out that such objects, called "spherelike" by us, give rise to a canonical maximal subcategory in which they become spherical.

Examples that will occur are ruled surfaces over elliptic curves, and circular quivers with relations.

(Joint work with Andreas Hochenegger and Martin Kalck.)

Montag, 19.11.2012
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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