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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

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(Leibniz Universität Hannover)

„Cohen–Macaulay modules over curve singularities of type P“

Cohen–Macaulay modules appear in many disguises such as integral representations of groups, matrix factorizations or objects in the triangulated category of singularities.

My talk is concerned with the representation theory of some well-behaved space curve singularities. First, the non-reduced curve singularities of type P have tame Cohen–Macaulay type. For the reduced cases, such a result was proven by Drozd and Greuel. Moreover, all indecomposable Cohen–Macaulay modules of any (possibly reduced) curve singularity of type P can be glued from only a few ideals. At last, these modules can be translated into some indecomposable matrix factorizations of the quite challenging curve singularities of type T.

This talk contains results from joint work with Igor Burban.

Montag, 07.11.2016
ab 14:00 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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