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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

Dr. Wassilij Gnedin
(Universität Stuttgart)

„Nodal algebras in Lie theory“

At the ICM 1970 Gelfand reduced the study of Harish-Chandra modules over the Lie group $SL(2, \mathbb{R})$ to the study of a skew-gentle quiver. Its completed path algebra is an infinite-dimensional nodal algebra. Similar algebras were obtained by Khoroshkin in context with Lorentz groups of real rank one. Burban and Drozd described the indecomposable objects in the derived category of any nodal algebra by the combinatorial notions of strings and bands.

In my talk I will present the main results of my PhD thesis on the explicit description of indecomposable representations of the Gelfand quiver and their contragredient duals, the derived Auslander-Reiten theory of Khoroshkin quivers and a homological characterization of strings and bands for nodal algebras.

Sondertermin: Mittwoch, 03.08.2016
ab 13:15 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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