SFB–Seminar

Am **Freitag, den 7.2.1997** findet folgender Vortrag statt:

An Introduction to Cellular algebras

J. Graham

Aarhus

Der Vortrag beginnt um **13:00 c.t. Uhr im Raum V2-210.**

Abstract

A Cellular algebra is an associative algebra (over a commutative unital ring) with a special type of basis. With this data, one may reduce questions about the representations of the algebra to linear algebra. In particular, there is a uniform construction for the simple modules. Secondly, the data behaves well under specialisation to fields of different characteristic. The motivating examples are the Kazhdan-Lusztig basis of the Hecke algebra of type A and Lusztig's weighted basis of the Hecke algebra of type B. More recent examples include the Brauer centraliser algebra, the Ariki-Koike Hecke algebra, and some generalisations of the Temperley-Lieb algebra.

Am Montag, den 10.2.1997 findet folgender Vortrag statt:

Generalisations of Temperley-Lieb algebras

J. Graham

Aarhus

Der Vortrag beginnt um 16:00 c.t. Uhr im Raum V2-205.

Abstract

The Temperley-Lieb algebra is a quotient of the Hecke algebra of type A which can also be defined using certain diagrams. It has found uses in a variety of areas, such as statistical mechanics and knot theory. In the talk we look at various generalisations of this algebra which have cellular bases, and discuss their representations in this context.

Es gibt Kaffee und Tee im Blauen Salon schon um 15:30 Uhr.

G. Röhrle