

KOLLOQUIUM

Dienstag, 13. Juli 2004, 17.15 Uhr, F102

Andrew Mathas (Sydney)

The representation theory of the Ariki-Koike algebras

The Ariki-Koike algebras are a class of finite dimensional algebras which rose to prominence because of their (conjectural) connections with the representations of the finite groups of Lie type (such as $GL_n(q)$). This talk will give a survey of the representation theory of these algebras, and the related cyclotomic Schur algebras, with an emphasis on the combinatorial techniques that have been used to study these algebras.