

OBERSEMINAR ZUR  
ALGEBRA UND ALGEBRAISCHEN KOMBINATORIK

Montag, 4. Juli 2005, 16-18 Uhr, Raum A410

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**Structure and representations of finite  $W$ -algebras**

Finite  $W$ -algebras were rigorously defined by Premet as “quantizations of Slodowy slices” although in many cases these were defined and studied by Kostant, Lynch, and some physicists (deBoer, Tjin, ...). The algebras have intriguing connections with Yangians, Kleinian singularities, quiver representations, etc. We will consider the situation in type  $A$ , describe the algebras by generators and relations and talk about their high weight representations.

Alle Interessierten sind herzlich eingeladen.