



Mathematisches Kolloquium

Am Freitag, den 27. April 2012 spricht um 14 Uhr c.t. im Hörsaal IV
der Fachrichtung Mathematik (Gebäude E24)

Dr. Piotr Śniady

z.Zt. TU München

über das Thema:

Combinatorics of asymptotic representation theory

Abstract: The representation theory of the symmetric groups S_n is intimately related to combinatorics: combinatorial objects such as Young tableaux and combinatorial algorithms such as Murnaghan-Nakayama rule. In the limit as n tends to infinity, the structure of these combinatorial objects and algorithms becomes complicated and it is hard to extract from them some meaningful answers to asymptotic questions. In order to overcome these difficulties, a kind of dual combinatorics of the representation theory of the symmetric groups was initiated in 1990s. We will concentrate on one of its highlights: Kerov polynomials which express characters in terms of, so called, free cumulants.

Der Gast wird von Prof. Dr. R. Speicher betreut.

Alle Interessenten sind zum Vortrag herzlich eingeladen.

Kaffee ab 13.45 Uhr im Konferenzraum der Mathematik (EG - 1.03)

Die Dozenten der Mathematik