E i n l a d u n g

zum

Kolloquium des Mathematischen Instituts

(unterstützt durch GK Topologie und Metageometrie und
Leibniz-Preis)

am Donnerstag, 15.07.2010 um 16:30 Uhr, im Hörsaal M5, spricht

Professor Dr. Anton Deitmar

(Universität Tübingen)

über das Thema:

„Automorphic forms of higher order "

Abstract:

Classical modular forms are holomorphic functions on the upper half plane which
are invariant under the action of, say, the group G = SL(2,Z). Higher order forms
are functions, which are not invariant, but become invariant when one applies the
operator (g-1) for g in G. For instance, the integral of a modular form is a higher
order form. Similar to the case of modular forms, one can attach L-functions to higher
order forms. In order to relate these to other types of L-functions one would like to
establish an operation of the Hecke-algebra on higher order forms. This can indeed
be done and the nature of the resulting Hecke-module will be revealed in the talk.

Tee wird ab 16 Uhr im SR0 des Mathematischen Instituts serviert.