



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, 15.04.2010 um 16:30 Uhr, im Hörsaal M5, spricht

Professor Dugald MacPherson

(University of Leeds)

über das Thema:

„Pseudofinite groups“

Abstract:

I will discuss some aspects of finite group theory from the viewpoint of model theory. A group is said to be pseudofinite if it is infinite and satisfies every sentence in the first order language of groups which holds for all finite groups. By a result of Wilson, the simple pseudofinite groups are exactly the simple groups of Lie type over pseudofinite fields. There is more recent work of myself with Liebeck and Tent on pseudofinite permutation groups, and with Elwes, Jaligot and Ryten on pseudofinite groups satisfying further model theoretic hypotheses. I will discuss aspects of this, but will describe also some more general aspects of the model theory of groups.

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