



E i n l a d u n g

zum

Kolloquium des Mathematischen Instituts

(unterstützt vom Graduiertenkolleg und SFB 478)

am Donnerstag, 22.01.2009 um 16:30 Uhr, im Hörsaal M5, spricht

Prof. Dr. Ursula Hamenstädt

(Universität Bonn)

über das Thema:

„Geometric properties of the mapping class group“

Abstract:

The mapping class group of a closed oriented surface S of genus $g \geq 2$ is the group of isotopy classes of orientation preserving diffeomorphisms of S . We discuss some recent structural results of the mapping class group which can be derived from geometric properties of some simple and natural spaces on which this group acts isometrically. The most important of these spaces is the so-called curve graph. This is a metric graph whose vertices are the free homotopy classes of simple closed curves on S . This leads to some strong rigidity properties.

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