



Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Donnerstag, dem 14. Januar 2016,

einen Vortrag von

Prof. Dr. Nadine Große

(Universität Freiburg)

“Yamabe-type invariants for open manifolds“

Beginn: **15.15 Uhr**

Raum: **F 426**

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Abstract: In the work of Ammann, Dahl and Humbert it has turned out that the Yamabe invariant on closed manifolds is a bordism invariant below a certain threshold constant. A similar result holds for a spinorial analogon. These threshold constants are characterized through Yamabe-type equations on products of spheres with rescaled hyperbolic spaces. We give variational characterizations of these threshold constants, and our investigations lead to an explicit positive lower bound for the spinorial threshold constants. This is joint work with Bernd Ammann, arXiv:1502.05232.

(invited by Prof. Dr. Oliver Schnürer)