



WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER

Mathematische Institute der WWU – Kolloquium Wilhelm Killing

Whitney Towers in Four Dimensions

Professor Peter Teichner (MPI Bonn)

12.04.2012, 16:30 Uhr, Hörsaal M 5

We'll give a survey on recent work with Jim Conant and Rob Schneiderman, formalizing higher order intersections of disks and spheres in 4-manifolds. In the easiest case where the manifold is a 4-ball, we developed an almost complete understanding of the relevant Whitney towers. It predicts new link invariants and gives new geometric interpretations of known link invariants, like Arf and Milnor invariants.

Tee wird ab 16:00 Uhr im Sitzungszimmer SR o des Mathematischen Instituts serviert.

Fachbereich 10
Mathematik und Informatik
<http://wwwmath.uni-muenster.de>



wissen.leben
WWU Münster

SFB 878 · Groups, Geometry & Actions