

TOPOLOGY SEMINAR

Peter Teichner (Max Planck / Berkeley)

Whitney towers in the 4-ball

Tuesday, April 3rd, 4:15pm, in 380-F  
(note special room and time)

*Abstract:* We'll give a survey on recent work with Jim Conant and Rob Schneiderman, formalizing higher order intersections of 2-spheres in 4-manifolds. In the easiest case where the manifold is a ball, we give an almost complete classification. It predicts new link invariants and gives new geometric interpretations of known link invariants, like Arf and Milnor invariants.