

Topology Seminar

Mark Behrens

of MIT will be speaking on

On the tmf-resolution

on May 12 at 4:30 in
MIT Room 2-131

Mahowald used the bo -based Adams spectral sequence to compute the 2-primary v_1 -periodic stable homotopy groups of spheres, and from this he deduced the v_1 -periodic telescope conjecture for $p = 2$. I will discuss what I know about the tmf-resolution at $p = 2$, incorporating work of many collaborators over the years, most significantly Tyler Lawson, Kyle Ormsby, Vesna Stojanoska, and Nat Stapleton.