

“Am I jumping the gun, Baldrick, or are the words ‘I have a cunning plan’ marching with ill-deserved confidence in the direction of this conversation?”

-Edmund Blackadder

The Trivial Notions Seminar
Proudly Announces

Some elements in the stable homotopy groups
of spheres

A talk by
Gijs Heuts

Abstract

The stable homotopy groups of spheres are notoriously difficult to compute. Sophisticated and powerful methods have been devised in order to understand some of the structures present and construct families of nontrivial elements in these groups. Instead of focusing on these, we will play around with some specific low-dimensional elements. The Pontryagin-Thom construction relates the stable homotopy groups to cobordism classes of stably framed manifolds; we will consider these elements through this lens and try to relate their order to some geometric considerations, to get a feel for some of the information that is being encoded by these groups.

Thursday October 24th, at 1:30 pm
Science Center 507