



Speaker: Kyle Ormsby
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Tuesday, November 10, 2009
2:00 PM
206 DeBartolo Hall

Title: Computations in stable motivic homotopy theory

Abstract:

The Morel-Voevodsky motivic homotopy category provides fertile ground in which the tools of computational algebraic topology can reap algebro-geometric results. I will discuss computations of motivic stable homotopy groups of spheres over p -adic fields. Along the way, I'll show how the motivic Adams spectral sequence produces simple computations of algebraic K-theory groups and novel results about algebraic cobordism.