ALGEBRA SEMINAR

The closed model structure on the category of simplicial sets

Vasily Dolgushev Temple University

ABSTRACT: This is the continuation of the semester long series on simplicial homotopy theory. In this talk, I will sketch the main steps of the proof that simplicial sets with Kan fibrations and weak equivalences form a closed model category. If time will permit, I will also talk about the additional axiom which turns ((sSets)) into a *simplicial* model category.

Many presentations in this series are based on the book "Simplicial Homotopy Theory" by P.G. Goerss and J.F. Jardine.

Monday, April 27, 2015 1:30 – 2:30 pm Room 617, Wachman Hall Department of Mathematics