

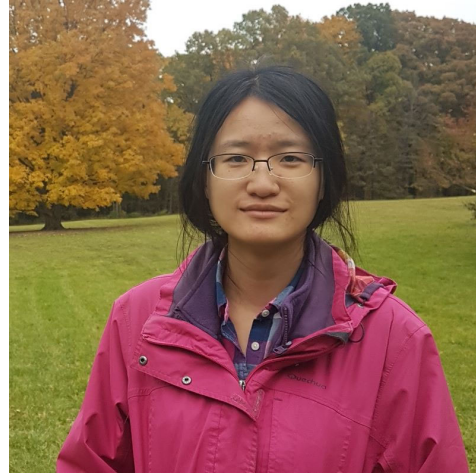
TOPOLOGY SEMINAR

Guest Speaker: Foling Zou
University of Chicago

Date: Tuesday, October 29, 2019

Time: 2:30 PM

Location: 258 Hurley Hall



Lecture Title:

Nonabelian Poincare duality theorem in equivariant factorization homology

Abstract

The factorization homology are invariants of n -dimensional manifolds with some fixed tangential structures that take coefficients in suitable E_n -algebras. In this talk, I will give a definition for the equivariant factorization homology of a framed manifold for a finite group G by monadic bar construction following Miller-Kupers. Then I will prove the equivariant nonabelian Poincare duality theorem in this case. As an application, in joint work with Asaf Horev and Inbar Klang, we compute the equivariant factorization homology on equivariant spheres for certain Thom spectra.