



Speaker: Lauren Bandklayder
Northwestern University

Tuesday, November 7, 2017

2:30 PM

258 Hurley Hall

Title: The Dold-Thom theorem via factorization homology

Abstract:

The Dold-Thom theorem is a classical result in algebraic topology giving isomorphisms between the homology groups of a space and the homotopy groups of its infinite symmetric product. The goal of this talk is to outline a new proof of this theorem, which is direct and geometric in nature. The heart of this proof is a hypercover argument which identifies the infinite symmetric product as an instance of factorization homology.