Stratified Spaces and Intersection Homology

Greg Friedman
Texas Christian University

Thursday, December 2, 2010

007 Kemeny Hall, 4:00 pm
(Tea 3:30 pm 300 Kemeny Hall)

Abstract

Intersection homology was invented by Goresky and MacPherson for the purpose of extending to singular spaces (such as singular algebraic varieties) many of the important homological properties of manifolds and nonsingular varieties, such as Poincare duality and related topological invariants. We'll provide an introduction to this field of research, leading up to present-day work of the author and collaborators.

This talk should be accessible to graduate students. 1290396781