

Secret Student Seminar

Experimental Algebra & Geometry Lab

Applications of the Lefschetz Fixed-Point Theorem

Carlos Salinas

Department of Mathematics
University of Texas-Pan American

Abstract

Let K be a finite simplicial complex. The Lefschetz Fixed-Point Theorem states that any continuous mapping $f : |K| \rightarrow |K|$ whose Lefschetz number not zero has a fixed point. In this seminar we will develop the main ideas behind the Lefschetz Fixed-Point Theorem and, if time permits, we will explore a few of its corollaries and applications.

Date: Friday, February 14, 2014

Time: 2:00pm–3:00pm

Place: MAGC 1.302

Pizza and soda will be served at the presentation.

For further information or for special accommodations, please contact Dr. Sean Lawton via email at lawtonsd@utpa.edu.