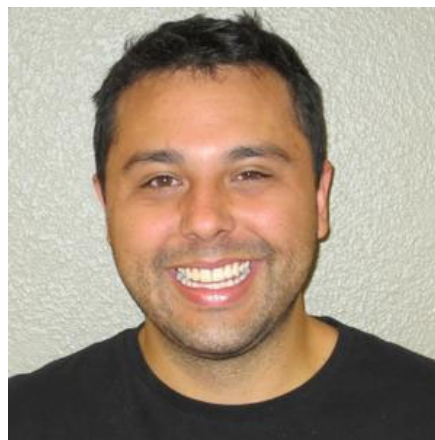


ALGEBRAIC GEOMETRY AND COMMUTATIVE ALGEBRA SEMINAR

Speaker: Zachary Flores
Colorado State University



Date: Wednesday, October 30, 2019

Time: 3:00 PM

Location: 258 Hurley Hall

Lecture Title:

The Weak Lefschetz Property for Cohomology Modules of Vector Bundles on P^2

Abstract

The study of Lefschetz properties is about understanding how linear forms act on finite length modules. However, results on Lefschetz properties for even broad classes of Artinian algebras remain elusive, but, through a slightly different perspective, we discuss a useful generalization of an important result that showed complete intersections in characteristic zero and codimension three have the Weak Lefschetz Property.