

GRADUATE STUDENT SEMINAR

Guest Speaker: Ethan Reed
University of Notre Dame

Date: Monday, February 22, 2021

Time: 4:15 PM

Location: Zoom

Zoom URL: notredame.zoom.us/j/95815357423



Lecture Title:

A Proof of Stillman's Conjecture Using Ultraproducts

Abstract

Following the work of Erman, Sam, and Snowden, we give a proof of Stillman's conjecture. As in the work of Ananyan and Hochster, we first reduce to the "existence of small algebras". This reduces to proving a specific manifestation of the Ananyan-Hochster Principle, which we prove using ultraproducts.