

GRADUATE STUDENT SEMINAR

Guest Speaker: David Meretzky

University of Notre Dame

Date: Monday, November 23, 2020

Time: 4:00 PM

Location: Zoom

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

Lecture Title:

A criterion for Strong Minimality from the Geometric Axioms for DCF_0

Abstract

Following the work of Nagloo and Pillay, we will discuss the Pierce-Pillay Axioms for DCF_0 and use the equivalence of algebraic δ -varieties with finite-dimensional Kolchin closed sets to give a criterion for strong minimality in DCF_0 . Finally we will discuss some repercussions for the algebraic independence of solutions to Painlevé Equations.