

Colloquium

University of Notre Dame
Department of Mathematics

Rahim Moosa - University of Waterloo

Speaker: Rahim Moosa

University of Waterloo



Will give a lecture entitled

Some recent applications of model theory to algebraic vector fields

Date: Wednesday, April 19, 2023

Time: 4:00 PM

Location: 125 Hayes-Healy Hall

Zoom URL: NA

Departmental Tea: Tea in Room 257 (lounge in Hurley Hall) at 3:30 p.m.

Abstract:

An algebraic vector field is an algebraic variety equipped with a rational section to its tangent bundle. Equivalently it is an algebraic variety equipped with a derivation on its function field. The goal of this talk will be to articulate several new results on the birational geometry of algebraic vector fields, obtained using the model theory of differentially closed fields.