

Department of Mathematics, BGU

Colloquium

On *Tuesday, May ,2 2023*

At *14:30 – 15:30*

In *Math 101-*

Rahim Moosa (University of Waterloo)

will talk about

Some recent applications of model theory to algebraic vector fields.

Abstract: An algebraic vector field is an algebraic variety equipped with a rational section to its tangent bundle, or equivalently 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.