Department of Mathematics
University of Notre Dame

MODEL THEORY SEMINAR

Guest Speaker: Gabriel Day
University of Notre Dame - Philosophy

Date: Tuesday, September 26, 2023
Time: 4:30 PM
Location: 125 Hayes-Healy Bldg
Zoom URL: NA

Lecture Title:

Applications of generalized indiscernibles to model-theoretic classification

Abstract

Generalized indiscernibles are sets of elements in a model M indexed by another structure J, such that the type of a tuple in M is determined entirely by the quantifier-free type of its indices in J. The definition and basic properties of generalized indiscernibles have been the subject of recent talks; in this one, I turn to classification-theoretic applications. I will discuss how dividing lines, such as stability and NIP, can be characterized in terms of the properties of a theory's generalized indiscernibles.