Department of Mathematics
University of Notre Dame

LOGIC SEMINAR

Guest Speaker: Isabella Scott
University of Chicago

Date: Tuesday, April 4, 2023
Time: 2:00 PM
Location: 125 Hayes-Healy Hall
Zoom URL: NA

Lecture Title:

Effective constructions of existentially closed groups

Abstract

Existentially closed groups were introduced by WR Scott in 1951 in analogue with algebraically closed fields. Since then, they have been further studied by Neumann, Macintyre, and Ziegler, who elucidated deep connections with model theory and computability theory. We review some of the literature on existentially closed groups and present new results that further refine these connections.

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