

LOGIC SEMINAR

Guest Speaker: Christian d'Elbée
University of Leeds

Date: Tuesday, January 23, 2024

Time: 2:00 PM

Location: 125 Hayes-Healy Bldg

Zoom URL: NA



Lecture Title:

Omega-categorical groups and Lie algebras

Abstract

A structure is ω -categorical if its theory has a unique countable model (up to isomorphism). We will survey some results concerning the Apps-Wilson structure theory for omega-categorical groups and state Wilson's conjecture on omega-categorical characteristically simple groups. We will also present how the analogous of Wilson's conjecture for Lie algebras can be disproved using the results of d'Elbée, Muller, Ramsey and Siniora on generic nilpotent Lie algebras.