Department of Mathematics
University of Notre Dame

GRADUATE STUDENT SEMINAR

Guest Speaker: Cory Gillette

University of Notre Dame

Date: Tuesday, March 5, 2024

Time: 4:00 PM

Location: 258 Hurley Bldg

Zoom URL: NA

Lecture Title:

An Introduction to (Co)End Calculus and the Yoneda Lemma

Abstract

After a friendly but brief discussion of basic concepts in category theory, we will state the Yoneda lemma and meditate on its proof. Then we will introduce more suggestive notation in terms of (co)ends, and restate the lemma. Finally, we will sketch a handful of applications.

Cory Gillette - University of Notre Dame