

Colloquium

University of Notre Dame
Department of Mathematics

Speaker: Shuddhodan Kadattur Vasudevan

Institut des Hautes Études Scientifiques,
Bures-Sur-Yvette

Will give a lecture entitled

Perversity and Weights: A Tale of Two Invariants

Date: Thursday, November 30, 2023

Time: 4:00 PM

Location: 127 Hayes-Healy Bldg



Departmental Tea: Tea in Room 257 (lounge in Hurley Hall) at 3:30 p.m.

Zoom URL: [notredame.zoom.us/j/94209026501?](https://notredame.zoom.us/j/94209026501?pwd=d0hDdmRua0JETFV6MkpPSWFJZkZDQT09)

pwd=d0hDdmRua0JETFV6MkpPSWFJZkZDQT09. Meeting ID: 942 0902 6501 Passcode: 596816

Abstract:

This talk delves into two fundamental invariants in algebraic geometry: Perversity and Weights. These invariants respectively capture the topological and arithmetic aspects of the story. In our talk, we will introduce these concepts while showcasing their application in addressing questions from algebraic geometry, algebraic dynamics, topology, and number theory.