

TOPOLOGY SEMINAR

Guest Speaker: Sanath Devalapurkar

University of Chicago

Date: Wednesday, April 22, 2026

Time: 4:00 PM

Location: 125 Hayes-Healy Center

Zoom Link: NA



Lecture Title:

Sheaves of spectra on loop groups

Abstract

In this talk, I will describe some calculations of the category of equivariant sheaves of spectra on the polynomial loop space of a connected complex Lie group. This is part of a broader program of "relativizing" the relationship between synthetic spectra and the stable cellular motivic category of $\mathrm{Spec}(C)$, to a relationship between "synthetic sheaves of spectra" on suitable spaces $X(C)$ with the stable cellular motivic category of X , for suitable choices of X .