



UNIVERSITY OF
NOTRE DAME

GRADUATE STUDENT TOPOLOGY SEMINAR

***Department of
Mathematics***

Guest Speaker: Josh Lehman
University of Notre Dame

Lecture Title:
The Double Suspension Theorem



Date: Tuesday, September 8, 2026

Time: 12:15 PM

Location: 258 Hurley Hall

Abstract:

If you suspend a non-simply connected homology n -sphere, you don't get a manifold. If you suspend it twice, you do. In fact, you always get the $(n+2)$ -sphere. This is the Double Suspension Theorem due to Cannon (1979). I'll discuss the setup, consequences, and definitely *not* the proof.