

Northeastern University



Mathematics Department

Geometry, Physics, and Representation Theory Seminar

Li-Sheng Tseng

UC Irvine

Thursday, March 28, **2:50-3:50 pm**, Lake Hall 509

Odd sphere bundles and symplectic geometry

Abstract

I will describe a special class of odd-dimensional sphere bundles over symplectic manifolds where the topological invariants of these sphere bundles are related to the symplectic invariants of the base manifolds. Such a relation gives a novel viewpoint to search for and understand symplectic invariants. This talk is based on a joint work with Hiro Tanaka and Jiawei Zhou.