

**CHARACTERISTIC NUMBERS AND INDEX THEORETIC
INVARIANTS FOR 24 DIMENSIONAL STRING MANIFOLDS**

Fudan Topology Seminar

Speaker: Fei Han

National University of Singapore

Time: Thur, Dec. 22th, 13:30-15:30

Meeting Zoom ID: 853 0188 1524 password: Fudan2022

Abstract: A manifold M is called string manifold if its free loop space LM is spin. There are many studies on the string geometry. Dimension 24 is in particular interesting for string geometry. In the talk, I will report our work on the study of characteristic numbers and index theoretic invariants for 24 dimensional string manifolds and string cobordism following Mahowald-Hopkins. This represents our joint work with Ruizhi Huang.