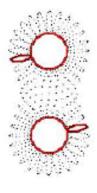# TEXAS ★ STATE ®

Topology Seminar at Texas State

Speaker: Prof. Tom Thickstun (Emeritus)

Title: The Čech Homology of the Pontryagin Surface

When: Friday, Feb. 28, 11:00 a.m.– 11:50 a.m.
Where: Online. Zoom info at bottom of page.

Abstract

Čech homology is often more useful than singular homology when considering non-polyhedral spaces. The Pontryagin surface is a case in point. Intuitively a compact "surface" having infinite genus, the Pontryagin surface was first defined in a 1992 paper by Mitchell, Repovš, and Ščepin. However their contruction is closely related to the one devised by Pontryagin in 1930. This talk will cover some observations contrasting the Čech and singular homology groups of the Pontryagin surface. Only familiarity with singular homology will be assumed.

Zoom Information

Meeting URL: Click here.
Meeting ID: 922 5921 7572
Password: manifolds