



Topology Seminar at Texas State

When: Tuesday, 2019, November 12, 12:30-1:50 p.m.

Where: ENC 230

Speaker: Joseph Hirsh, Ph.D.

Topic: Recovering monoids from their representation theory even when we can't

ABSTRACT

A strategy for understanding a monoid is to pass to its category of representations. A strategy for understanding a category is to “find” an object for which it is the category of representations. In this seminar I'll present a construction for producing such a monoid, even when we know our category isn't a category of representations. The talk will focus on examples.

Note: This talk is based on joint work with Gabriel C. Drummond-Cole and Damien Lejay (two arxiv preprints). My intention is to present the ideas in a way that bypasses the technical category theory in the papers and focuses on motivating examples.