

Talk Math 2 Me

The History and Importance of the Alexander Horned Sphere (Topology)

Megan Fairchild
Friday September 22, 2017
DERR 329
12:00pm- 1:00pm

Abstract

In this talk we will examine the theories that led up to the creation and discovery of the Alexander Horned Sphere. We begin by introducing topological definitions and spaces. After clarifying definitions, we will discuss the Jordan curve theorem and the Jordan-Schoenflies theorem along with their importance. Finally, we will discuss how the Alexander Horned Sphere came to be constructed and how it disproves the Jordan-Schoenflies theorem.

This seminar is sponsored in part by Pi Mu Epsilon and the Texas State University Department of Mathematics. For more information or to sign up to speak, contact Ellen Robinson at ebr21@txstate.edu.