

Talk Math 2 Me

Friday November 3, 2017

DERR 329

12:00pm- 1:00pm

The History and Relevance of Math Measurements in Biblical Times

Lyndsea Woodall

Abstract

In this talk, we will be examining the historical relevance of math and measurements in Biblical times. Specifically, we will be looking at how scholars went about determining measurements and how it was translated into the system of measurement that we have today. We will first start off by defining ancient systems of measurements, and will conclude by examining old historical documents and measurement systems.

Start Seeing Spheres!

Sean Corrigan

Abstract

Spheres are spaces of central importance to the study of topology. We will discuss various ways of constructing/visualizing the spheres of dimension 1 and 2, and we will generalize these to attempt some visualizations of the 3-dimensional sphere. While the 3-sphere is less immediately visible than its lower-dimensional counterparts, it is the simplest example of a closed 3-dimensional manifold. By using complex coordinates, we can get an additional way to see this sphere — the so-called “genus one Heegaard splitting” — which is a favorite of the speaker. This talk will assume little-to-no knowledge of topology, and where necessary, motivation for topological notions will be provided via hand-drawn pictures.

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.