



The rising STAR of Texas

Discrete Mathematics Seminar

Time: Friday, March 10, 2017, 2:15-3:15 PM
Room: 237 Derrick Hall
Title: Flats of a positroid
Speaker: David Xiang, Westwood High School, Austin

Abstract:

We will discuss positroids, a certain class of matroids associated with the idea of total positivity. We will look at the matroidal properties of the positroids by looking at some equivalent combinatorial objects. We will use this to provide a description of the flats of a positroid. This has potential application in giving an efficient way to describe positroid concordance, a criteria that describes when a space is properly contained in another.