Brownsville Seminar

UTRGV™

School of Mathematical & Statistical Sciences

Flips in Triangulations and Hypertriangulations

Speaker: Alexey Garber

Abstract:

Triangulations appear in many fields of pure and applied mathematics, and they go back to the study of the Catalan numbers by Euler and Goldbach in the early 18th century if not further.

In the talk I will discuss a classical way to transform triangulations using flips and describe how the notion of flips can be generalized to subdivisions induced by projections of convex polytopes and hypersimplices in particular.

This talk does not require any prior knowledge from the audience, apart from the basic familiarity with Calculus and Linear Algebra. Everything will be explained during the presentation.

Coffee and cookies will be provided.

Friday, March 3, 2023

Event Location: BLHSB 1.312

Time: 3:30-4:30 pm

For further information or for special accommodations, please contact Dr. Alexey Glazyrin via email alexey.glazyrin@utrgv.edu.