

Brownsville Seminar

UTRGVTM

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School of Mathematical
& Statistical Sciences

Intersection Problems

Presenter: Alexey Glazyrin

Abstract

In a set of n elements, what is the maximal number of subsets of size k such that every two of them intersect? In 1938, Erdős, Ko, and Rado solved this problem and essentially laid the foundation for the study of intersection problems in extremal combinatorics. In this talk, I will discuss the Erdős-Ko-Rado theorem, its extensions, connected results, and geometric consequences.

This talk does not require any prior knowledge from the audience.

Friday, April 14th, 2023

Time: 3:30-4:30 PM CT

!Coffee and Cookies will be Provided!

In Person: BLHSB 1.312

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