

Brownsville Seminar

UTRGV
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School of Mathematical
& Statistical Sciences

Integer points in convex polytopes

Speaker: Dr. Alexey Garber

Abstract

Counting integer points in convex polygons and polytopes is classical topic in discrete geometry and combinatorics. Particularly, in 1960s Ehrhart proved that the number of integer points in a dilated copy nP of a convex polytope P with integer vertices is a polynomial in n . In the talk I am going to recall some classical results of Ehrhart theory and their generalizations to weighted scenarios.

The talk does not require prior knowledge from the audience.

!Coffee and Cookies Will Be Provided!

Date: Friday, March 1st, 2024

Time: 2:00pm - 3:00pm

Room: BLHSB 1.316

Zoom Link: <https://utrgv.zoom.us/j/85333215080>

For further information or for special accommodations, please contact Dr. Alexey Glazyrin via email alexey.glazyrin@utrgv.edu. More information about the seminar talks is available at the website <https://www.utrgv.edu/math/news-events/seminars/brownsville/index.htm>.