Avoiding zeros of polynomials

Speaker: Alexey Glazyrin

Given a polynomial on a compact set, what is the point of the set furthest from its zeros? How far is this point from the zero set of a polynomial of fixed degree? We will talk about this problem and its generalizations in various settings starting from Tarski's plank problem and Fejes Tóth's zone conjecture and moving to complex analogs.

Date: Friday, September 15th, 2023
Location: BLHSB 1.316
Time: 1:30-2:30 pm CT

Coffee and cookies will be provided.

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