

A NOTE ON ENESTRÖM–KAKEYA THEOREM

W. M. SHAH AND RAIHANA RASHID*

Abstract. We develop a technique to find a region containing all the zeros of a polynomial

$P(z) := \sum_{j=0}^n a_j z^j$ of degree n with real coefficients by adding suitable weights to its coefficients.

This technique enables one to use computer programming to convert any polynomial of degree n to Kakeya polynomial and thereby obtain best possible region containing all its zeros.

Mathematics subject classification (2020): 30C10, 30C15.

Keywords and phrases: Polynomial, bounds for zeros, Eneström–Kakeya theorem.

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