

Analele Universității București, Matematică
Anul LVIII (2009), pp. 67-76

On the distribution of the zeros of a complex polynomial

José Luis DÍAZ-BARRERO

Abstract - In this paper, combining the characterization of polynomials by reflection coefficients with Rouché's theorem, some results on the distribution of the zeros of polynomials with complex coefficients are given.

Key words and phrases : Location of Zeros, reflection coefficients, Levinson's recursion, unit circle problem.

Mathematics Subject Classification (2000) : 12D10, 26C05, 30C15.