Advances in Mathematical Sciences and Applications Vol. 34, No. 1 (2025), pp. 459–471



NOTES ON VALUE DISTRIBUTION OF TRANSCENDENTAL INTEGRAL FUNCTIONS OF DIFFERENCE POLYNOMIALS

Husna V.*

Department of Mathematics
School of Engineering
Presidency University, Bangalore - 560 064
(E-mail: <husnav43@gmail.com>, <husna@presidencyuniversity.in>)

and

Nagarjun V.

¹Department of Mathematics School of Engineering Presidency University, Bangalore - 560 064

²Department of Mathematics The Oxford College of Science HSR Layout, Bangalore - 102 (E-mail: phalguniarjun95@gmail.com)

Abstract. In this article, we investigate uniqueness problems and zeros distributions of q-shift difference polynomials of entire functions. The results of the paper improves and extend some results due to Libao Luo and Junfeng Xu [21].

Communicated by Editors; Received January 9, 2025

AMS Subject Classification: 30D35.

Keywords: Difference Operators, Weakly Weighted Sharing and Value Distribution etc.,

^{*}Corresponding Author