

**RELATIVE (α, β, γ) -ORDER OF COMPOSITE ENTIRE
FUNCTIONS RELATED TO MAXIMUM TERMS**

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Abstract: In this paper, we discuss maximum term related to some growth properties of composite entire functions with respect to another entire function using the relative (α, β, γ) -order and relative (α, β, γ) -lower order and derive some results with their left and right factors. We also obtain the integral representations of relative (α, β, γ) -order and relative (α, β, γ) -lower order of entire functions using maximum terms.

Keywords and Phrases: Entire function, maximum term, composition, relative (α, β, γ) - order, relative (α, β, γ) -lower order.

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1. Introduction

We denote by $\mathbb{C}$ the set of all finite complex numbers. Let $f = \sum_{n=0}^{+\infty} a_n z^n$ be an entire function defined on $\mathbb{C}$. The maximum modulus function $M_f(r)$ of f on $|z| = r$ is defined as $M_f(r) = \max_{|z|=r} |f(z)|$ and the maximum term $\mu(r, f)$ is defined