

International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 9 No. II (June, 2015), pp. 13-28

UNIQUENESS OF MEROMORPHIC FUNCTIONS SHARING ONE SMALL FUNCTION WITH REGARD TO MULTIPLICITY

HARINA P. WAGHAMORE¹ AND RAJESHWARI S.²
^{1,2} Department of Mathematics, Central College Campus,
Bangalore University, Bangalore-560 001, INDIA

Abstract

In this paper, we study the uniqueness problem of nonlinear differential polynomials of meromorphic functions that share one small function $a(z)$. Our results extend the corresponding result obtained by S.S. Bhoosnurmath and Smita R. Kabbur [16].

Key Words : *Uniqueness, Meromorphic function, Shared function.*

2000 AMS Subject Classification : Primary 30D35.

© <http://www.ascent-journals.com>