

UNIQUENESS OF HOMOGENEOUS DIFFERENTIAL POLYNOMIALS OF MEROMORPHIC FUNCTIONS CONCERNING WEAKLY WEIGHTED SHARING

DILIP CHANDRA PRAMANIK AND JAYANTA ROY

Abstract. In 2006 S. Lin and W. Lin [3] first defined the concept of weakly-weighted sharing of functions and proved some results on uniqueness of a meromorphic function f and its n -th derivative $f^{(n)}$. Using this notion of weakly-weighted sharing of functions, in this paper we prove uniqueness of homogeneous differential polynomials $P[f]$ and $P[g]$ generated by meromorphic functions f and g respectively.

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