



UNIQUENESS RELATION BETWEEN HOMOGENEOUS DIFFERENTIAL POLYNOMIALS OF MEROMORPHIC FUNCTION AND \mathcal{L} -FUNCTION

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Abstract. This paper presents a comprehensive study of the uniqueness relation between meromorphic functions and \mathcal{L} -functions, with a particular focus on homogeneous differential polynomials. We establish some sufficient conditions that lead to the identity between a meromorphic function and an \mathcal{L} -function when certain homogeneous differential polynomials generated by them share two values with a certain weight. The main theorem of our study generalizes, improves, and extends the result of Hao and Chen [3], and we pose an open question for future research.

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