A PRECISE INEQUALITY OF DIFFERENTIAL POLYNOMIALS RELATED TO SMALL FUNCTIONS

JUNFENG XU AND HONGXUN YI

Abstract. In this paper, we consider the value distribution of the differential polynomials $\phi f^2 f' - 1$ where $f$ is a transcendental meromorphic function and $\phi$ is a small function, and obtain a precise inequality by the reduced counting function.


Keywords and phrases: Meromorphic function, differential polynomials, Nevanlinna theory, value distribution.

REFERENCES