Paper No: PU-SOE – Mathematics - 15

Uniqueness problem for differential polynomials of fermat-waring type

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Abstract

In this paper, we discuss the uniqueness problem for differential polynomials $(P \ n(f))(k)$, (Qn(g))(k) sharing the same values, where $P = f \ d + a1f \ d - m + b1f \ d - m + 1 + c1$ and $Q = g \ d + a2g \ d - m + b2g \ d - m + 1 + c2$ are polynomials of Fermat-Waring type. On non-Archimedian field, f and g are meromorphic functions.

Keywords:

Nevanlinna theory, non-archimedean meromorphic functions, FermatWaring polynomial.

Publication Details:

Journal Name	Vol.	Month &Year	Page No.	Publisher	Scimago Ranking
Electronic Journal of Mathematical Analysis and Applications	9 (2)	July, 2021	158–165	Academic Press Inc.	not yet asigned