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**UNIQUENESS OF DIFFERENTIAL POLYNOMIALS OF  
MEROMORPHIC FUNCTIONS THAT SHARE THE PAIR  $(a, b)$   
GCM**

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**Abstract**

In this paper, we deal with the problem of uniqueness of meromorphic functions. We discuss possible relations between two meromorphic functions  $f$  and  $g$  when they share the pair  $(a, b)$  GCM. Moreover, we also improves a known result due to C. C. Yang and X. Hua [3] on two meromorphic functions sharing 1 CM and results of Lin and Yi [2] and others.

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Key Words : *Value distribution theory, Meromorphic function, Uniqueness, Shared values.*

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