

Abstract

In this thesis, we use the theory of value distribution to study the uniqueness problems of two meromorphic functions and the relation of two meromorphic functions satisfying some functional equations. Also we prove some uniqueness results on two meromorphic functions with few poles sharing four small functions.



中文摘要

在這篇論文裡，我們利用值分佈理論來探討兩個半純函數何時會相等，進而了解兩個半純函數滿足某一函數方程時，其關係為何。最後，我們探討兩個半純函數共四個少函數且擁有少量的極點之相關性質。