

COMMON ROOTS OF SEVERAL MEROMORPHIC FUNCTIONS AND THEIR PROXIMATE DEFICIENCY

SANJIB KUMAR DATTA AND SOUMEN KANTI DEB

Abstract

A single valued function of one complex variable which has no singularities other than poles in the finite complex plane C is called a meromorphic function. The purpose of this paper is to consider several meromorphic functions having common roots and find some relations involving their relative proximate deficiency.

Key Words: Meromorphic function, Common root, proximate order, Relative proximate deficiency.

2000 Mathematics Subject Classification: 30D30, 30D35.