International J. of Math. Sci. & Engg. Appls. (IJMSEA) ISSN 0973-9424, Vol. 4 No. IV (October, 2010), pp. 389-404

ON THE DEFINITION OF WEAK TYPE OF A MEROMORPHIC FUNCTION OF LOWER ORDER ZERO OR INFINITY

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Abstract

A single valued function of one complex variable which has no singularities other than poles in the open complex plane (i.e., the finite complex plane) is called a meromorphic function. In this paper we introduce the definition of the weak type of a meromorphic function of lower order zero or lower order infinity and obtain its integral representation. Some growth properties related to the weak type of meromorphic and entire functions (i.e., single valued functions of one complex variable analytic in the open complex plane) are also established with examples.

2000 Mathematics Subject Classification: 30D35, 30D30.

Ascent Publication House: http:// www.ascent-journals.com

Key Words and Phrases: Entire function, Meromorphic function, Weak type, Integral representation, Lower order zero or infinity.