Analele Universității Oradea Fasc. Matematica, Tom XX (2013), Issue No. 2, 95–102

A CERTAIN CONVOLUTION APPROACH FOR SUBCLASSES OF P-VALENT HARMONIC FUNCTIONS

R. M. EL-ASHWAH

ABSTRACT. In the present paper we have studied convolution properties for subclasses of p-valent harmonic functions in the open unit disc and obtain some basic properties such as coefficient characterization and extreme points.

Received 9 June 2012

Department of Mathematics, Faculty of Science, Damietta University, New Damietta 34517, Egypt,

E-mail address: r_elashwah@yahoo.com

95

²⁰⁰⁰ Mathematics Subject Classification. 30C45.

Key words and phrases. Harmonic, p-valent, convolution.