## **On Some Classes of Bi-Univalent Functions**

T.S.Taha ,D.A.BRANNAN

## Abstract

This chapter discusses some classes of bi-univalent functions. It presents several classes of functions  $f(z) = z + \hat{U}anzn$  that are analytic and univalent in the unit disc  $U = \{z : |z| < 1\}$ . The class of all such functions is denoted by S. The "denotes the class of all functions of the form  $f(z) = z + \hat{U}anzn$  that are analytic and bi-univalent in the unit disc, that is, f "S and f 3"has a univalent analytic continuation to  $\{|w| < 1\}$ . The chapter also introduces the following classes: (1) the class S\* "] \_"of strongly bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2">" "Ö"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" "O"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" "O"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" "O"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" "O"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" "O"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" "O"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" "O"3="\*4+"the class S\* \* +"of bi-starlike functions of order ."2"]" ">" ">" "

Mathematical Analysis and its Applications Proceedings of the International Conference on Mathematical Analysis and its Applications, 1986, January

Future University In Egypt (http://www.fue.edu.eg)