NEW SUBCLASSES OF BI-UNIVALENT FUNCTIONS DEFINED BY DZIOK -SRIVASTAVA OPERATOR

E. E. ALI

Abstract. In this paper, we introduce new subclasses of the function class of bi-univalent functions defined in the open unit disk which are associated with the Dziok-Srivastava operator. Estimates of the coefficients $|a_2|$ and $|a_3|$ for functions from these new subclasses are provided.

REFERENCES


Received 9 April 2018

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE, FACULTY OF SCIENCE., PORT SAID UNIVERSITY, PORT SAID 42521, EGYPT
E-mail address: ekram_008eg@yahoo.com

2010 Mathematics Subject Classification. 30C45.
Key words and phrases. Analytic functions, univalent functions, bi-starlike functions, bi-convex functions, coefficient estimates.