

International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 7 No. II (March, 2013), pp. 131-138

COEFFICIENT BOUNDS FOR TWO NEW SUB-CLASSES OF ANALYTIC BI-UNIVALENT FUNCTIONS

B. SRUTHA KEERTHI¹ AND M. REVATHI²

¹ Department of Applied Mathematics,
Sri Venkateswara College of Engineering,
Sriperumbudur, Chennai - 602105, India

² Department of Mathematics,
Aalim Muhammed Salegh College of Engineering,
Nizara Educational Campus, Muthapudupet, Avadi IAF,
Chennai - 600 055, India

Abstract

We introduce two new subclasses of the function class Σ of bi-univalent functions defined in the open unit disc. In this work we obtain bounds for the coefficients $|a_2|$ and $|a_3|$ for the function belonging to these classes.

Key Words : *Analytic and univalent function, Bi-univalent functions, λ -convex functions, Coefficient bounds.*

AMS Subject Classification : 30C45.

© <http://www.ascent-journals.com>