APPLICATIONS OF DIFFERENTIAL SUBORDINATION AND SUPERORDINATION

C. GANESAMOORTHY, N. MARIKKANNAN, M.P. JEYARAMAN

Abstract. In the present investigation we obtain sandwich theorems for certain subclass of analytic functions defined by convolution. Our results generalizes several well known results.

Received 23-10-2006, Accepted 07-09-2008.
2000 Mathematics Subject Classification: 30C45, 30C80
Key words and Phrases: Starlike functions, convex functions, K-convex functions, Hadamard product, differential subordination, differential superordination.

C. Ganesamoorthy: Department of Mathematics, Alagappa University, Karaikudi, India.
E-mail: ganesamoorthy@yahoo.com

N. Mariikkannan: Department of Applied Mathematics, Sri Venkateswara College of Engineering, Sriperumbudur, India.
E-mail: mari@svce.ac.id, natarajan.mariikkannan@gmail.com

M.P. Jeyaraman: Department of Mathematics, Easwari Engineering College, Ramapuram, Chennai, India.
E-mail: jeyaraman@yahoo.co.in