

# A NOTE ON FEKETE-SZEGÖ ESTIMATES FOR SUBCLASSES OF CLOSE TO CONVEX FUNCTIONS WITH RESPECT TO OTHER POINTS

<sup>1</sup>Aini Janteng, <sup>2</sup>Suzeini Abdul Halim, <sup>3</sup>Maslina Darus

<sup>1,2</sup>Institute of Mathematical Sciences, Universiti Malaya, 50603 Kuala Lumpur

<sup>3</sup>School of Mathematical Sciences, Faculty of Sciences and Technology,  
Universiti Kebangsaan Malaysia,  
43600 Bangi, Selangor

E-mail : <sup>1</sup>[aini\\_jg@ums.edu.my](mailto:aini_jg@ums.edu.my), <sup>2</sup>[suzeini@um.edu.my](mailto:suzeini@um.edu.my), <sup>3</sup>[maslina@pkriscc.ukm.my](mailto:maslina@pkriscc.ukm.my)

Research Report No. 7/2005

## Abstract

In this paper, we consider functions of the form  $f(z) = z + \sum_{n=2}^{\infty} a_n z^n$  belonging to the classes of close to convex with respect to other points. In specific  $K_s$  denotes the class of close to convex with respect to symmetric points,  $K_c$  denotes the class of close to convex with respect to conjugate points and  $K_{sc}$  denotes the class of close to convex with respect to symmetric conjugate points. We give some sharp upper bounds for  $|a_2|$ ,  $|a_3|$ ,  $|a_4|$  and the Fekete-Szegö functional for subclasses of close to convex functions with respect to other points.

**Keyword :** Univalent, close to convex, Fekete-Szegö functional