

Coefficient estimate for a subclass of close-to-convex functions with respect to symmetric points

**Abstract**

Let  $S_s^*(A, B)$  denote the class of functions  $f$  which are analytic in an open unit disc  $\mathcal{D} = \{z : |z| < 1\}$  and satisfying the condition  $\frac{2zf'(z)}{f(z)-f(-z)} \prec \frac{1+Az}{1+Bz}$ ,  $-1 \leq B < A \leq 1$ ,  $z \in \mathcal{D}$ . In this paper, we consider the class  $K_s(A, B)$  consisting of analytic functions  $f$  and satisfying  $\frac{(zf'(z))'}{(g(z)-g(-z))'}$   $\prec \frac{1+Az}{1+Bz}$ ,  $g \in S_s^*(A, B)$ ,  $-1 \leq B < A \leq 1$ ,  $z \in \mathcal{D}$ . The aim of paper is to determine coefficient estimate for the class  $K_s(A, B)$ .

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