

## Classes with Negative Coefficients and Convex with Respect to Other Points

### ABSTRACT

Let  $S$  be the class of functions  $f$  which are analytic and univalent in the open unit disc  $D = \{z : |z| < 1\}$  given by  $f(z) = z + \sum_{n=2}^{\infty} a_n z^n$  and  $a_n$  a complex number. Let  $T$  denote the class consisting of functions  $f$  of the form  $f(z) = z - \sum_{n=2}^{\infty} a_n z^n$  where  $a_n$  is a non negative real number. In [8], Wong and Janteng introduced 3 subclasses of  $T$  ;  $CsT(\alpha, \beta)$ ,  $CcT(\alpha, \beta)$  and  $CscT(\alpha, \beta)$ , consisting of analytic functions with negative coefficients and are respectively convex with respect to symmetric points, convex with respect to conjugate points and convex with respect to symmetric conjugate points. Here,  $\alpha$  and  $\beta$  are to satisfy certain constraints. This paper extends the result in [8] to other properties namely growth and extreme points.