Properties for a subclass of starlike functions

Abstract

Let S be the class of functions which are analytic and univalent in the open unit disc D = {z: |z| < 1} given by $f(z) = z + \infty \Sigma n=2$ anzn and an a complex number. Let T denote the class consisting of functions f of the form $f(z) = z - \infty \Sigma n=2$ anzn where an is a non negative real number. In this paper, we develop new subclass of S by adopting the original idea of Ramesha et al. [5] and Sudharsan et al. [7]. We give coefficient estimates, growth and extreme points for f belonging to this class.