



Volume 10, Issue 2, Article 40

On a Certain Subclass of Starlike Functions with Negative Coefficients

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Keywords: Univalent functions, Starlike functions, Integral means, Neighborhoods, Partial sums.

Date Received: 11/12/07

Date Accepted: 29/05/09

Subject Codes: 30C45.

Editors: [Sever S. Dragomir,](#)

Abstract: We introduce the class $\overline{H}(\alpha, \beta)$ of analytic functions with negative coefficients. In this paper we give some properties of functions in the class $\overline{H}(\alpha, \beta)$ and we obtain coefficient estimates, neighborhood and integral means inequalities for the function $f(z)$ belonging to the class $\overline{H}(\alpha, \beta)$. We also establish some results concerning the partial sums for the function $f(z)$ belonging to the class $\overline{H}(\alpha, \beta)$.



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