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Integral Means for Starlike and Convex Functions with Negative Coefficients

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Abstract:

Let \mathcal{T} be the class of functions $f(z)$ with negative coefficients which are analytic and univalent in the open unit disk \mathbb{U} with $f(0) = 0$ and $f'(0) = 1$. The classes \mathcal{T}^* and \mathcal{C} are defined as the subclasses of \mathcal{T} which are starlike and convex in \mathbb{U} , respectively. In view of the interesting results for integral means given by H. Silverman (*Houston J. Math.* **23**(1977)), some generalization theorems are discussed in this paper.



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