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On a Certain Subclass of Analytic Functions with Negative Cefficients

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Abstract: The object of the present paper is to derive several interesting properties of the class $T_n\lam$ consisting of analytic and univalent functions with negative coefficients. Coefficient inequalities, distortion theorems and closure theorems of functions in the class $T_n\lam$ are determined. Also radii of close-to-convexity, starlikeness and convexity are determined. Furthermore, integral operators and modified Hadamard products of several functions belonging to the class $Tn\lam$ are studied here.

Key words: Analytic, univalent, modified Hadamard product.