ANALYTIC FUNCTIONS DEFINED BY A PRODUCT OF EXPRESSIONS HAVING GEOMETRIC MEANING

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Abstract. We define a new class, $f_n^a(\beta)$, of analytic functions by a product of certain expressions having geometric meaning. We establish univalence of the new class, obtain its integral representations, sufficient inclusion conditions and coefficient inequalities. Examples are given.


Keywords and phrases: Bazilevic functions, product of expressions having geometric meaning, bounded turning, starlike, analytic and univalent functions.

REFERENCES