A UNIFIED TREATMENT OF CERTAIN UNIFORMLY ANALYTIC FUNCTIONS

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Abstract. In this paper we introduce and study some properties of a unified class $\mathcal{U}[\Phi, \Psi; \alpha, \beta, \lambda, n]$ of certain uniformly analytic functions with negative coefficients in a unit disk U. These properties include growth and distortion, radii of convexity, radii of starlikeness and radii of close-to-convexity. Further, results on integral transform are also given.

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Key words. Uniformly analytic functions, radii of starlikeness, convexity and close-to-convexity.

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