

CLASSES OF ANALYTIC FUNCTIONS RELATED TO A COMBINATION OF TWO CONVEX FUNCTIONS

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Abstract. In the paper we introduce classes of functions related to a class of linear combinations of two convex functions. By using properties of multivalent prestarlike functions we obtain various inclusion relationships between defined classes of functions. Some applications of the main results are also considered.

Mathematics subject classification (2010): 30C45, 30C50, 30C55.

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