
Summary: In this paper, we introduce a new subclass of uniformly convex functions with negative coefficients defined by linear fractional differential operator. We obtain the coefficient bounds, growth distortion properties, extreme points and radii of close-to-convexity, starlikeness and convexity for functions belonging to the class $TS(v, \rho, \mu, s, m)$. Furthermore, we obtained modified Hadamard product, convolution and integral operators for this class.

MSC:

30C45 Special classes of univalent and multivalent functions of one complex variable (starlike, convex, bounded rotation, etc.)

Keywords:
analytic; coefficient bounds; extreme points; convolution

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