On subclasses of $n$-$p$-valent prestarlike functions of order beta and type gamma

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Abstract
In the present paper, we introduce the class $R_p,R_n[\alpha, \beta, \gamma, A, B]$ of $n$-$p$-valent alpha-prestarlike functions of order beta and type gamma with negative coefficients defined by a Salagean operator. Extreme points, integral operators and distortion theorems of this class are obtained. We also obtain several results for the radius of starlikeness, convexity and modified Hadamard products of functions belonging to this class. (C) 2013 Published by Elsevier Ltd

KeyWords: Prestarlike functions; Analytic functions; S alagean operator; Fractional integral operator.


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- [5] G.S. Sălăgean
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  A certain class of multivalent prestarlike functions involving the Srivastava–Saigo–Owa fractional integral operator

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  Certain generalization of prestarlike functions with negative coefficients

  Prestarlike functions with negative coefficients

  A class of functions $\alpha$-prestarlike of order $\beta$

  Some applications of fractional calculus operators to certain subclasses of prestarlike functions with negative coefficients

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  Certain subclasses of prestarlike functions with negative coefficients

[17] G.S. Sălăgean
  Classes of univalent functions with two fixed points

[18] G.S. Sălăgean
  Convolutions of certain classes of univalent functions with negative coefficients

[19] O.P. Ahuja, H. Silverman
  Convolutions of prestarlike functions
On certain subclasses of meromorphic functions associated with certain differential operators

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Abstract
In this work, we study some subordination and convolution properties of certain subclasses of meromorphic functions which are defined by a previously mentioned differential operator. Crown Copyright (C) 2011 Published by Elsevier Ltd. All rights reserved.

KeyWords: Analytic; Meromorphic functions; Differential operator; Convolution


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For nonzero complex b let $F(n)(b)$ denote the class of normalized univalent functions $f$ satisfying $\Re\left[\frac{1}{b} \left( \frac{zf'(z)}{f(z)} - 1 \right) \right] > 0$ in the unit disk $U$, where $D(n)f$ denotes the Ruscheweyh derivative of $f$. Sharp bounds for the Fekete-Szego functional $|a(3) - \mu a(2)(2)|$ are obtained. (C) 2010 Elsevier Ltd. All rights reserved.

**KeyWords:** Coefficient estimates; Ruscheweyh derivative; Fekete-Szego problem; Convex and starlike functions of complex order.

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Some Applications of Srivastava-Attiya Operator to p-Valent Starlike Functions

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Abstract
We introduce and study some new subclasses of p-valent starlike, convex, close-to-convex, and quasi-convex functions defined by certain Srivastava-Attiya operator. Inclusion relations are established, and integral operator of functions in these subclasses is discussed.

KeyWords: UNIVALENT-FUNCTIONS; INTEGRAL OPERATOR; CONVEX

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Subclasses of analytic functions associated with the generalized hypergeometric function

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Abstract
Using the generalized hypergeometric function, we study a class Phi(p)(k)(q, s; A, B, lambda) of analytic functions with negative coefficients. Coefficient estimates, distortion theorem, extreme points and the radii of close-to-convexity and convexity for this class are given. We also derive many results for the modified Hadamard product of functions belonging to the class Phi(p)(k)(q, s; A, B, lambda). (C) 2009 Published by Elsevier Ltd

KeyWords: Analytic; Distortion theorem; Hypergeometric function; Modified Hadamard product.


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