

Some Classes of Univalent Functions Associated with Rusal Differential Operator

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Abstract: *This paper is concerned with the class $\mathfrak{S}(\eta, \xi, \alpha, \beta, \partial, \lambda)$ of normalized analytic univalent functions. We invented Rusal differential operator by making convex combination of Ruschwey and Al-Oboudi differential operator. New subclass $\mathfrak{S}(\eta, \xi, \alpha, \beta, \partial, \lambda)$ is studied with help of Rusal differential operator. Growth theorem, coefficient inequality, convexness and some other interesting properties for given class are examined. Extreme points for the mentioned class are also obtained.*

Mathematics Subject classification: 30C45, 30C50

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