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NEIGHBORHOOD PROPERTIES OF AL-OBOUDI TYPE ANALYTIC FUNCTIONS

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Abstract

In this paper, we define the new subclasses $S_{m,n}(\beta,\gamma,\lambda), \mathcal{R}_{m,n}(\beta,\gamma,\lambda;\mu)$, $S_{m,n}(\alpha,\beta,\gamma,\lambda)$ and $\mathcal{R}_{m,n}(\alpha,\beta,\gamma,\lambda;\mu)$ of $\mathcal{A}(n)$ using generalized Sălăgean differential operator and certain properties of neighborhoods for functions belonging to these classes are studied.

Key Words and Phrases : *Univalent functions, Neighborhoods, Convex functions, Starlike functions and Al-Oboudi differential operator.*

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