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On A Certain Class Of p -Valent Functions With Negative Coefficients

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Abstract: In this paper, we introduce the class $A_{\sigma}^*(p, A, B, \alpha)$ of p -valent functions in the unit disc $U = \{z : |z| < 1\}$. We obtain coefficient estimate, distortion and closure theorems, radii of close-to convexity, starlikeness and convexity of order δ ($0 < \delta < 1$) for this class. We also obtain class preserving integral operators for this class. Furthermore, various distortion inequalities for fractional calculus of functions in this class are also given.



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