

Some Contributions on Generalized Class of q -Quasi Convex Functions

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ABSTRACT

In this presentation, we introduce the classes of functions, denoted by $QCV_q(\mu, A_q, B_q)$ and $QST_q(\eta, A_q, B_q)$, the generalized class of Quasi Convex function of order μ and generalized class of Quasi Star-like functions of order η , respectively. These classes are constructed by generalizing the classes $QCV(\mu, A, B)$ and $QST(\eta, A, B)$ respectively. We provide sharp coefficient bounds for newly defined classes and derive various special cases as corollaries of the main results. Also, the connections between the new investigations with some previous result are pointed out.
