

FEKETE - SZEGO INEQUALITY FOR CERTAIN SUB- CLASSES OF NON-BAZELIVIC FUNCTIONS OF COMPLEX ORDER

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Abstract

In the present paper, we define a sub-class of non-Bazalivic functions and obtain the Fekete - Szego inequality for functions in this class. Certain applications of our results to the functions defined by convolutions have been studied. The Fekete - Szego inequality for the inverse function of f in this class is also obtained.

Key Words : Non-Bazalivic functions, Complex order, Inverse function, Convolution, Fekete-Szego inequality.

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