A FAMILY OF MEROMORPHICALLY MULTIVALENT FUNCTIONS WHICH ARE STARLIKE WITH RESPECT TO $k$–SYMMETRIC POINTS

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Abstract. In this paper, two new subclasses $R_{p,k}(\lambda, A, B)$ and $T_{p,k}(\lambda, A, B)$ of meromorphically multivalent functions starlike with respect to $k$-symmetric points are studied. Distortion bounds, inclusion relations and convolution properties for each of these classes are obtained.


Keywords and phrases: Meromorphically multivalent functions, Hadamard product (or convolution), distortion bounds, inclusion relations, convolution properties, subordination properties, symmetric points.

REFERENCES