

ON CERTAIN SUBCLASSES OF MEROMORPHICALLY MULTIVALENT FUNCTIONS INVOLVING A LINEAR OPERATOR

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Abstract. The purpose of the present paper is to derive some inclusion relationships and other interesting properties of a certain subclass $\Sigma_p^+(a, c, A, B)$ of meromorphically p -valent functions with positive coefficients which are defined by means of a linear operator. The familiar concept of neighborhood of analytic functions is extended and applied to meromorphically p -valent functions considered here. We also derive many interesting results on the Hadamard product of functions belonging to the class $\Sigma_p^+(a, c, A, B)$.

Mathematics subject classification (2010): 30C45.

Keywords and phrases: Meromorphic functions, differential subordination, Hadamard product (or convolution), neighborhoods, linear operator.

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