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PROPERTIES OF A SUBCLASS OF MEROMORPHIC UNIVALENT FUNCTIONS DEFINED USING CARLSON-SHAFFER OPERATOR

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Abstract

In this paper we define a new subclass of meromorhic univalent functions using Carlson Shaffer operator in the punctured unit disc E. The main objective of this paper is to obtain coeffcient inequality, Hadamard product, inclusion relation, neighbourhood property, integral operators. We also obtain growth and distortion theorems, extreme points, radius of convexity and starlikeness for functions belonging to the class defined. Boundness properties associated with partial sums of function in this class is also discussed.

Key Words : Hadamard product, Meromorphic functions, Starlikeness, Carlson Shaffer operator, Extreme points and convexity.

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