

Properties of harmonic meromorphic functions which are starlike of complex order with respect to conjugate points

Abstract

Let Σ_H denote the class of functions f which are harmonic, meromorphic, orientation preserving and univalent in $\tilde{U} = \{z: |z| > 1\}$. This paper defines and investigates a class of meromorphic univalent harmonic functions that are starlike of complex order with respect to conjugate points. The authors obtain convolution and convex combination properties.