

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

ABSTRACT

Let H denote the class of functions f which are harmonic, orientation preserving and univalent in the open unit disc $D = \{z : |z| < 1\}$. This paper defines and investigates a family of complex-valued harmonic functions that are orientation preserving and univalent in D and are related to the functions starlike of complex order with respect to symmetric points. The authors obtain extreme points, convolution and convex combination properties.