Harmonic Functions which are Starlike of Complex Order with Repect 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.