Abstract. In this paper we introduce and investigate a new class of harmonic univalent functions defined by convolution. Among other results, we obtain coefficient conditions, extreme points, distortion bounds, convolution conditions and convex combinations for the above family of harmonic functions.

MSC 2010. 30C45, 30C50, 31A05.

Key words. Harmonic, starlike, k-uniformly starlike, analytic, univalent, convolution.

REFERENCES


The present research is supported by the University Grant Commission, Government of India under Grant No. F. 6-1(49)/2007 (MRP/Sc/NRCB). The authors are thankful to the referee for giving fruitful suggestions and comments.