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ON A CERTAIN CLASS OF HARMONIC FUNCTIONS ASSOCIATED WITH A CONVOLUTION STRUCTURE

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Abstract. Making use of a convolution structure, we introduce a new class of complex valued harmonic functions which are orientation preserving and univalent in the open unit disc. Among the results presented in this paper include the coefficient bounds, distortion inequality and covering property, extreme points and certain inclusion results for this generalized class of functions.

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Key words. Harmonic univalent functions, distortion bounds, extreme points, convolution, inclusion property.

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