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A subclass of harmonic functions with varying arguments defined by Dziok-Srivastava operator. (English) [Zbl 1212.30052](#)

Arch. Math., Brno 45, No. 1, 37-46 (2009).

Summary: Making use of the Dziok-Srivastava operator, we introduce a new class of complex valued harmonic functions which are orientation preserving and univalent in the open unit disc and are related to uniformly convex functions. We investigate the coefficient bounds, distortion inequalities and extreme points for this generalized class of functions.

MSC:

[30C45](#) Special classes of univalent and multivalent functions of one complex variable (starlike, convex, bounded rotation, etc.)

Cited in **2** Documents

[30C50](#) Coefficient problems for univalent and multivalent functions of one complex variable

Keywords:

harmonic univalent starlike function; Dziok-Srivastava operator; distortion bound; extreme point; uniformly convex function

Full Text: [EMIS](#) [EuDML](#)