A CLASS OF RUSCHEWEYH - TYPE HARMONIC UNIVALENT FUNCTIONS WITH VARYING ARGUMENTS

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Abstract. A comprehensive class of complex-valued harmonic univalent functions with varying arguments defined by Ruscheweyh derivatives is introduced. Necessary and sufficient coefficient bounds are given for functions in this class to be starlike. Distortion bounds and extreme points are also obtained.

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Dedicated to late Professor K.S. Padmanabhan, Director, RIASM, University of Madras, Madras, T.N., India.

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