

Bi-Lipschicity of Quasiconformal Harmonic Mappings in n —dimensional space with respect to k —metric

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Abstract. We explore conditions which guarantee bi-Lipschicity of harmonic quasiconformal maps with respect to k —metric and prove that harmonic k -quasiconformal maps with non-zero Jacobian between any two domains in \mathbb{R}^n are bi-Lipschitz with respect to k —metric, and also prove the converse result.