Vesna Manojlović, University of Belgrade
Abstract

BI-LIPSCHICITY OF QUASICONFORMAL HARMONIC MAPPINGS IN THE PLANE

SUBHARMONICITY OF THE MODULUS OF QUASIREGULAR HARMONIC MAPPINGS

We show that quasiconformal harmonic mappings on the proper domains in $\mathbb{R}^2$ are bi-Lipschitz with respect to the quasihyperbolic metric.

We determine all numbers $q \in \mathbb{R}$ such that $|u|^q$ is a subharmonic function, provided that u is K-quasiregular harmonic mapping in an open subset Ω of the Euclidean space $\mathbb{R}^n$.

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