

Harmonic mappings

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Abstract

We will discuss basic properties of harmonic and p -harmonic mappings between the Euclidean domains, Riemannian surfaces and domains in metric measure spaces. Our focus will be on the related curvature problems and the Rado-Kneser-Choquet theorems. In particular, we will pursue a question when a harmonic mapping extension of a homeomorphic boundary data is itself a homeomorphism.