

HOMEOMORPHISMS OF FINITE METRIC DISTORTION BETWEEN RIEMANNIAN MANIFOLDS

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The theory of multidimensional quasiconformal mappings employs three main approaches analytic, geometric (moduli) and metric ones. In this talk we use the last approach and establish the relationship between homeomorphisms of finite metric distortion (FMD-homeomorphisms) and quasisymmetric/quasiconformal mappings on Riemannian manifolds. Some main characterizations and features of quasiconformal mappings also will be presented. As an application, there are obtained some sufficient conditions for boundary extensions of FMD-homeomorphisms.