

ON GEODESIC MAPPINGS AND GEODESIC DEFORMATIONS OF GENERALISED RIEMANNIAN SPACES

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Geodesic mappings and geodesic deformations of generalised Riemannian spaces are considered. Necessary and sufficient conditions for existence of non-trivial geodesic mapping of generalized Riemannian space, as well as for existence of non-trivial infinitesimal geodesic deformation of that space are given. The existence of non-trivial infinitesimal geodesic deformation of generalized equidistant space is proved.