

On Quasi Conformally Flat LP-Sasakian Manifolds with a Coefficient α

Authors : Jay Prakash Singh

Abstract : The aim of the present paper is to study properties of Quasi conformally flat LP-Sasakian manifolds with a coefficient α . In this paper, we prove that a Quasi conformally flat LP-Sasakian manifold M ($n > 3$) with a constant coefficient α is an η -Einstein and in a quasi conformally flat LP-Sasakian manifold M ($n > 3$) with a constant coefficient α if the scalar curvature tensor is constant then M is of constant curvature.

Keywords : LP-Sasakian manifolds, quasi-conformal curvature tensor, concircular vector field, torse forming vector field, Einstein manifold

Conference Title : ICDGA 2016 : International Conference on Differential Geometry and Applications

Conference Location : Tokyo, Japan

Conference Dates : September 05-06, 2016