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ON HYPER-GENERALIZED QUASI-EINSTEIN MANIFOLDS

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Abstract

The object of the present paper is to introduce a type of non-flat Riemannian manifold called *hyper-generalized quasi-Einstein manifold* and study some geometric properties of such a manifold. Also the existence of such a manifold is ensured by a proper example.

Key Words : *Hyper-generalized quasi-Einstein manifold, Hyper-generalized quasi-constant curvature, Conformally flat manifold, Scalar curvature.*

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