

ON A TYPE OF PARA KENMOTSU MANIFOLD

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Abstract

The object of this paper is to study certain properties of para Kenmotsu, in brief, p -Kenmotsu manifolds satisfying the conditions $Z(\xi, X).Z = 0$, $Z(\xi, X).R = 0$, $Z(\xi, X).S = 0$, $Z(\xi, X).C = 0$ and $R(\xi, X).Z = 0$ where $Z(X, Y)$ is the concircular curvature tensor, $R(X, Y)$ is the Riemannian Christoffel curvature tensor, $C(X, Y)$ is the Weyl conformal curvature tensor and $S(X, Y)$ is the Ricci curvature tensor.

Key Words and Phrases : *Para Kenmotsu manifolds, Weyl-conformal curvature tensor, Ricci tensor, Scalar curvature, Einestein manifold.*

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