



**A STUDY OF W_8 -CURVATURE TENSOR IN
SASAKIAN MANIFOLD**

P. W. Njori, S. K. Moindi and G. P. Pokhariyal

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Abstract

In this paper, we study flatness, semisymmetric and symmetric properties of the W_8 -curvature tensor in Sasakian manifold. Further study is made on some of the geometrical properties of a W_8 -recurrent Sasakian manifold.

Keywords and phrases: W_8 -curvature tensor, W_8 -flat Sasakian manifold, W_8 -semisymmetric and symmetric Sasakian manifold, W_8 -recurrent Sasakian manifold.

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