

## On some Curvature Properties of $K$ -contact Manifolds

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Presented by Manuel de León

Received July 20, 2011

*Abstract:* The object of the present paper is to study projective curvature tensor in  $K$ -contact manifolds. Projectively flat and projectively semisymmetric  $K$ -contact manifolds are considered. Projectively pseudosymmetric and pseudoprojectively flat  $K$ -contact manifolds are also studied. It is shown that in all the cases the  $K$ -contact manifold becomes Sasakian.

*Key words:*  $K$ -contact manifolds, projective curvature tensor, projectively flat, projectively semisymmetric, projectively pseudosymmetric, pseudoprojectively flat.

*AMS Subject Class.* (2010): 53C25, 53C80.

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