

## On Invariant Submanifolds of $LP$ -Sasakian Manifolds

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Presented by Oscar García Prada

Received March 2, 2011

*Abstract:* The object of the present paper is to find a necessary and sufficient condition for an invariant submanifold of an  $LP$ -Sasakian manifold to be totally geodesic. An illustrative example is given to support the obtained result.

*Key words:*  $LP$ -Sasakian manifold, invariant submanifolds, totally geodesic.

*AMS Subject Class. (2010):* 53C15, 53C40.

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