



**SEMI-SLANT SUBMANIFOLDS OF
AN S -MANIFOLD**

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Received April 5, 2014

Abstract

The purpose of present paper is to study the semi-slant submanifold of an S -manifold. We obtain the integrability conditions of the distributions involved in the definition of semi-slant submanifolds and we also investigate some basic properties related to the totally geodesicness of the distributions. Finally, we also discuss the totally umbilical semi-slant submanifolds of S -manifolds and obtained a classification for these submanifolds.

Keywords and phrases: totally umbilical, slant submanifold, Riemannian product manifold.

Pioneer Journal
of Mathematics
and Mathematical
Sciences



Pioneer Scientific
Publisher