

Generalization of Kim's Estimates In Terms of the Trace of Divergencefree Symmetric Tensor

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Abstract

In this paper, we generalized E.C. Kim's estimates by taking in to account the trace of the divergencefree symmetric tensor non-zero. We have also shown that E.C. Kim's estimates still valid in case of the trace of the divergencefree symmetric tensor vanished identically. In the equality case, we characterized eta-Killing spinor with Killing pair over the Sasakian spin manifolds.

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