

A NOTE ON SLANT SUBMANIFOLDS OF NEARLY TRANS-SASAKIAN MANIFOLDS

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ABSTRACT. The geometry of slant submanifolds of a nearly trans-Sasakian manifold is studied when the tensor field Q is parallel. It is proved that Q is not parallel on the submanifold unless it is anti-invariant and thus the result of [CABRERIZO, J. L.—CARRIAZO, A.—FERNANDEZ, L. M.—FERNANDEZ, M.: *Slant submanifolds in Sasakian manifolds*, Glasg. Math. J. **42** (2000), 125–138] and [GUPTA, R. S.—KHURSHEED HAIDER, S. M.—SHARFUDIN, A.: *Slant submanifolds of a trans-Sasakian manifold*, Bull. Math. Soc. Sci. Math. Roumanie (N.S.) **47** (2004), 45–57] are generalized.