NORMAL ANTI-INVARIANT SUBMANIFOLDS OF PARAQUATERNIONIC KÄHLER MANIFOLDS

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Abstract. We introduce normal anti-invariant submanifolds of paraquaternionic Kähler manifolds and study the geometric structures induced on them. We obtain necessary and sufficient conditions for the integrability of the distributions defined on a normal anti-invariant submanifold. Also, we present characterizations of local (global) anti-invariant products.

References


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