ON SEMI-ININVARIANT SUBMANIFOLDS OF A NEARLY $r$-PARACOSYMPLECTIC MANIFOLD

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Abstract. The purpose of the present paper is to study semi-invariant submanifolds of a nearly $r$-paracosymplectic manifold. We also investigate totally $r$-paracontact umbilical semi-invariant submanifolds of a nearly $r$-paracosymplectic manifold. Moreover, we construct an example of a nearly $r$-paracosymplectic metric manifold which is not $r$-paracosymplectic.


Key words. Semi-invariant, submanifold, $r$-paracontact, umbilical, cosymplectic.

REFERENCES


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