

ON SEMI-INVARIANT 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.

MSC 2010. 53B25, 53C25, 53D15.

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

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The author wishes to express his sincere thanks and gratitude to the referee for his/her valuable suggestions towards the improvement of the paper.

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Received April 25, 2017
Accepted August 26, 2017

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