

ON A TYPE OF $N(k)$ -PARACONTACT METRIC MANIFOLDS

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ABSTRACT. In this paper we investigate $N(k)$ -paracontact metric manifolds satisfying the curvature conditions $R \cdot \mathcal{Z} = 0$ and $\mathcal{Z} \cdot S = 0$, where R , \mathcal{Z} and S are the Riemannian curvature tensor, the concircular curvature tensor and Ricci tensor, respectively. Further, we study $N(k)$ -paracontact metric manifolds satisfying the curvature conditions $\mathcal{Z} \cdot \mathcal{Z} = 0$ and $\mathcal{Z} \cdot R = 0$.

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