

Centro-Affine Hypersurfaces with an Induced Almost Paracontact Structure

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ABSTRACT

We study real centro-affine hypersurfaces $f: M \rightarrow \mathbb{R}^{2n+2}$ with an almost paracontact structure (φ, ξ, η) induced by a \tilde{J} -tangent centro-affine transversal vector field, where \tilde{J} is the canonical paracomplex structure on \mathbb{R}^{2n+2} . We obtain some classification results and give a relation to paracomplex affine immersions.