

AFFINE HYPERSPHERES WITH A \tilde{J} -TANGENT BLASCHKE FIELD

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ABSTRACT. We study real affine hyperspheres $f: M \rightarrow \mathbb{R}^{2n+2}$ with a \tilde{J} -tangent affine normal field, where \tilde{J} is the canonical para-complex structure on \mathbb{R}^{2n+2} . We give a local classification of \tilde{J} -tangent affine hyperspheres of arbitrary dimension with an involutive distribution \mathcal{D} . Several examples are also given.

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