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THE SIXTEEN CLESSES OF REAL HYPERSURFACES OF KAEHLER MANIFOLD

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On arbitrary $2n+1$ -dimensional real hypersurface of Kaehler manifold canonically arises almost contact metric structure. By mean of the classification scheme of Ganchev-Alexiev for the almost contact metric manifolds, such hypersurface belongs to four (resp. to three) of the twelve basic classes, when $n \geq 2$ (resp. $n = 1$). So, there exist sixteen (resp. eight) possible classes of such hypersurfaces when $n \geq 2$ (resp. $n = 1$). These hypersurfaces with respect to the second fundamental form, are described. Some geometric descriptions and examples for real hypersurfaces in complex Euclidian space are given.

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