REAL HYPERSURFACES AND CURVE THEORY IN A NONFLAT COMPLEX SPACE FORM

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Abstract. In the class of all real hypersurfaces M^{2n-1} of a nonflat complex space form $\widetilde{M}_n(c)$, both of type (A) hypersurfaces in this space and the homogeneous ruled real hypersurface in a complex hyperbolic space are fundamental examples. We characterize these two real hypersurfaces from the viewpoint of curve theory in those ambient spaces.

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