

Codazzi type h -operators on real hypersurfaces in nonflat complex space forms

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Abstract. In this paper, we prove that if the operator h of a real hypersurface M in a nonflat complex space form $\widetilde{M}_n(c)$, $n \geq 2$, is of Codazzi type, then M is a Hopf hypersurface. We also prove that such a Hopf hypersurface is locally congruent to a real hypersurface of type (A).

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