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Title: A characterization of type A real hypersurfaces in complex projective space

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We classify real hypersurfaces in complex projective space whose shape operator is of Codazzi type with respect to a generalized Tanaka–Webster connection with a condition on the principal curvature of the structure vector field. As a consequence we classify real hypersurfaces in complex projective space whose shape operator is generalized Tanaka–Webster parallel with the same condition.

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