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Compact minimal CR submanifolds of a complex projective space with positive Ricci curvature

`Abstract:` We give a reduction theorem of the codimension of a compact n-dimensional minimal proper CR submanifold M of a complex projective space. We prove that if the Ricci curvature of M is equal or greater than n minus 1, then M is a real hypersurface of some totally geodesic complex projective space. Using this result, we classify compact minimal CR submanifolds of a complex projective space of which the Ricci tensor satisfies certain conditions.