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Positively curved totally complex submanifolds in the Cayley projective space

Let M be a compact totally complex submanifold of complex dimension 2 in the Cayley projective plane CaP^2. Denote by K the sectional curvature of M. In [2], it was proved that the compact totally complex submanifold M of complex dimension 2 in cayley projective plane CaP^2 satisfying $K > \frac{1}{8}$ is totally geodesic and M is CP^2. In the present paper we proved that if the sectional curvature K of M satisfies $K > 0$, then M is totally geodesic and M is CP^2.

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