

# On CR embeddability into spheres

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ABSTRACT. A strictly pseudoconvex CR manifold  $M^{2n+1}$  of hypersurface type is not always CR embeddable locally into spheres  $S^{2N+1}$ , whatever high codimension  $N - n$  we take. We investigate necessary and sufficient condition for a CR manifold with pseudohermitian metric to be embeddable into higher dimensional spheres, in terms of derivatives of CR structures and pseudohermitian metric.

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