1047-32-54   **Adam Coffman*** (`CoffmanA@ipfw.edu`), Department of Mathematical Sciences, Indiana Univ. - Purdue Univ. Fort Wayne, 2101 E. Coliseum Blvd., Fort Wayne, IN 46805. *CR singularities of real 4-manifolds in $\mathbb{C}^3$.*

We consider real 4-submanifolds in complex 3-space at CR singular points, where the tangent space is a complex hyperplane. The extrinsic geometry of a submanifold near such a point is described by quantities depending on the local defining equations but invariant under holomorphic coordinate changes. I will give some concrete examples of compact manifolds embedded with the minimum possible number of non-degenerate CR singularities. (Received January 06, 2009)