

Wutal KAna Meeting 2025, Wuppertal

Speaker: Dr. Hendrik Herrmann, University of Vienna

Approximation of CR structures by embeddings into spheres

Let $(X, T^{1,0}X)$ be a compact strictly pseudoconvex CR manifold which is CR embeddable into some complex Euclidean space. We show that $T^{1,0}X$ can be smoothly approximated by a sequence of strictly pseudoconvex CR structures $\{V^k\}_{k \in \mathbb{N}}$ such that each (X, V^k) is CR embeddable into the unit sphere of some complex Euclidean space. This is a joint work with Chin-Yu Hsiao and Bernhard Lamel.