

Deformations and determination of CR maps

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In this talk, we will discuss finite determination results for CR maps from minimal real analytic CR manifolds into Nash manifolds utilizing the notion of a 2-approximate deformation of the map. It turns out that one gets a strong finite jet determination result (valid in arbitrary codimension) if one rules out such 2-approximate deformations. In many natural settings, geometric arguments show directly that no 2-approximate deformations exist. This is joint work with N. Mir.