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Jiri Lebl* (lebl@okstate.edu), **Alan Noell** and **Sivaguru Ravisankar**. *Removable CR singularities*.

We study stability of a CR singularity of a real-analytic submanifold $M \subset \mathbb{C}^n$ whose CR structure extends across the CR singularity. In this case the manifold can be realized as an image under a holomorphic map of a CR submanifold M . We are interested in perturbing M without disturbing the CR structure, that is, perturbing the map. For instance, we find a sharp inequality of the dimensions is found for when the CR singularity can always be perturbed away. A related question that needs to be answered is when can a CR function be perturbed to remove its zeros. This is joint work with Alan Noell and Sivaguru Ravisankar. (Received August 31, 2020)