

Simplifying singularities of a map without any pre-conditions

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The h -principle type results allows one to get rid of most singularities of a smooth map between two manifolds via a C^0 -perturbation, provided that certain bundle-theoretic conditions are met. It turns out that even without any pre-conditions it is possible to reduce singularities to a classifiable list. This result is a crucial step in the proof of Nadler's arborealization conjecture, which is a joint work of D. Alvarez-Gavela, D. Nadler, L. Starkston and the speaker.