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Title: Signature of Milnor fibers and map germs

Abstract: In this work we give an explicit construction to compute the signature of certain Milnor fibers. We study the case when the zero-fiber $H(x, y, z) = 0$ is a non-isolated singularity given by the image of a *good* map germ $f : (\mathbb{C}^2, 0) \to (\mathbb{C}^3, 0)$. The Milnor fiber is $H(x, y, z) = \delta$ (intersected with a small ball). We give a constructive argument and use immersion theory as well as Thom-Mather theory in the process.