$C^0 - \mathcal{R}_W - W(f)$-SUFFICIENCY OF NON-ISOLATED SINGULARITY ON ANALYTIC VARIETIES

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Abstract

We provide some sufficient conditions for $C^0 - \mathcal{R}_W - W(f)$-sufficiency of function germ f defined on analytic variety W with non-isolated singularities. The results generalize the criterion on the sufficiency of function germs with non-isolated singularities given in [Xu Xu, C^0-sufficiency, Kuiper-Kuo and Thom conditions for non-isolated singularity, Acta Math. Sin. (Engl. Ser.) 23(7) (2007), 1251-1256].