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Abstracts of Short Communications and Posters

Section:

5. Differential Geometry and Global Analysis

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The topology of hypersurface singularities with codimension one

let $\{f = 0\}$ be a hypersurface in C^{n+1} with 1-codimensional singular set Σ wich has a transversal singularity of type A_{k-1}. For this class of singularities we investigate criterion of finite multiplicity, constract special deformations which preserves topology structure of Milnor fibre, calculate the number of Morse points in terms of the corespoding local rings, and describe homotopy type of the Milnor fibre.