

On the topology of non-isolated real singularities

Nicolas Dutertre¹

¹ Aix-Marseille Université

Khimshiashvili proved a topological degree formula for the Euler characteristic of the Milnor fibres of a real function-germ with an isolated singularity. We give two generalizations of this result for non-isolated singularities. As corollaries we obtain an algebraic formula for the Euler characteristic of the fibres of a real weighted homogeneous polynomial and a real version of the Lê-Iomdine formula