The degeneration of the boundary of the Milnor fibre to the link of complex and real non-isolated singularities

Aurelio Menegon Neto

joint work with José Seade

Let $f : (\mathbf{R}^m, 0) \to (\mathbf{R}^k, 0)$, $m \geq k$, be a real analytic singularity with an isolated critical value and the Thom af-property. We will define the vanishing zone for f and we will give necessary and sufficient conditions for it to be a fibre bundle over the link of the singular set of $V(f)$. Then we will describe the degeneration of the boundary of the Milnor fibre to the link of some families of real analytic singularities using L-'s polyhedra.