

Title: Marked singularities, their moduli spaces, distinguished bases and Stokes regions.

Abstract: The first part of the talk is on a global study of μ -constant families of holomorphic function germs with isolated singularities. Some new data are defined and discussed, μ -constant monodromy groups, marked singularities, their global moduli spaces, and a global Torelli type conjecture for their Brieskorn lattices. The second part of the talk is on universal unfoldings, Brieskorn lattices at semisimple points, their Stokes data and distinguished bases, and a global Lyashko-Looijenga map. For the simple singularities (by work of Looijenga and Deligne 73/74) and the simple elliptic singularities (joint work with C. Roucairol 18) this leads to an understanding of a certain global base space as an atlas of Stokes data.