INTRINSIC MARKING OF SMOOTH FIBRES AND MONODROMY FOR A_n SINGULARITIES.

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ABSTRACT. Let $\Phi^f : X \to \Lambda$ be the unfolding of a complex isolated hypersurface singularity that is given by the mapping $f : \mathbb{C}^{n+1} \to \mathbb{C}$. The smooth fibres vary above path in $U = \Lambda \setminus \Delta^{n+1}$ by the symplectic connection. We propose a geometric object G_λ in each fibre X_λ. The aim is the coarsest stratification of U such that G_λ is up to isotopy constant above path in strata. The geometric monodromy should be concentrated along the codimension one strata. In the talk we full fill this aim for the A_n singularities.

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