On the 2-Jordan blocks for the eigenvalue $\lambda = 1$ of isolated singularities

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In the isolated case, Steenbrink provided a spectral sequence converging to the cohomology of the Milnor fiber using the semistable reduction associated with an embedded resolution of the singularity. During the talk, we will study the same problem starting with abelian quotient singularities in the ambient space and we will apply it to certain surface singularities for the eigenvalue 1.

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