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Constancy regions of mixed multiplier ideals in rational surface singularities

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We will present some new results on the computation of jumping walls of any r -tuple of ideal sheafs around a rational surface singularity. More precisely, we will focus on an iterative method to compute all the constancy regions (giving the same mixed multiplier ideal) and their boundary (the jumping walls) in any compact region of the positive orthant. We provide also a characterization whether a given point lies in a jumping wall. This is a joint work with J. Ivarez Montaner and F.Dachs-Cadefau.

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