A note on the Mond conjecture

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The classification of multigerms under A-equivalence has had a new impulse substituting the classical classification techniques by operations in order to obtain multigerms from germs and multigerms in lower dimension and codimension. Examples of these operations are augmentations and concatenations. Oset Sinha, Ruas and Wik-Atique recently defined the operation of simultaneous augmentation and monic concatenation.

On the other hand, an open problem related to the classification of germs is the Mond conjecture which relates an algebraic invariant of a germ (the A_e-codimension) with the topology of a stablisation of it (its image Milnor number).

We will prove the Mond conjecture for mulitgerms resulting from the operation of simultaneous augmentation and monic concatenation.

Joint work with Catiana Casonatto.