

Séminaire d'algèbre, topologie et géométrie
Jeudi 31 janvier à 15h30
Salle I

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Titre : *Topological equisingularity of complex hypersurfaces*

Résumé : The local ambient topology of an analytic submanifold of C^n is, by definition, trivial to describe. But how does one characterize the ambient topology of a singular subspace of C^n ? In particular, how does one describe the ambient topology of a hypersurface $V(f)$ in C^n ?

One approach to this question is to look at families of hypersurfaces, in which the members of the family are, in some sense, “equally singular”. Various notions of equisingularity exist, but, in this talk, I will focus on the weakest notion of being equisingular - topological equisingularity. This study is at the intersection of topology, algebra, and algebraic/analytic geometry.