

Séminaire d'algèbre, topologie et géométrie
Jeudi 9 octobre à 14h
Salle I

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Moduli problems associated to singular homology

The category of unstable coalgebras over the Steenrod Algebra forms a natural target category for singular homology with prime field coefficients. A realization of a fixed unstable coalgebra C is a space whose homology is isomorphic to C . First we introduce the subject and give a brief overview of the main theorems. Then we discuss our recent approach (joint with Raptis/Stelzer) to decompose the moduli space of such realizations in terms of cohomological invariants of C .