ID de Contribution: 93 Type: Non spécifié

Pullbacks for the Rost-Schmid Complex

mardi 14 juillet 2020 15:30 (1 heure)

Let \boxtimes be a perfect field and \boxtimes a strictly homotopy invariant sheaf of abelian groups on Sm_ \boxtimes . The cousin complex can be used to compute the cohomology of a smooth variety \boxtimes over \boxtimes with coefficients in \boxtimes . However, if $\boxtimes \to \boxtimes$ is a morphism of smooth varieties, there is not in general an induced map on cousin complexes, so computing pullbacks of cohomology classes is difficult. In this talk I will explain how such pullbacks may nonetheless be computed, at least up to choosing a good enough cycle representing the cohomology class (which is always possible in principle, but may be difficult in practice). Time permitting, I will mention applications to the G_{\boxtimes} -stabilization conjecture (which was formulated jointly with Maria Yakerson)

Summary

Orateur: Prof. BACHMANN, Tom (MIT)