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Pullbacks for the Rost-Schmid Complex

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Let ⬚ be a perfect field and ⬚ a strictly homotopy invariant sheaf of abelian groups on Sm_⬚. The cousin complex can be used to compute the cohomology of a smooth variety ⬚ over ⬚ with coefficients in ⬚. However, if ⬚ → ⬚ 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 $\mathbb{G}$_⬚-stabilization conjecture (which was formulated jointly with Maria Yakerson)

Summary

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