

# COHOMOLOGY, BUNDLES AND REPRESENTATIONS

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Thursday, 9 September 2021, 11:00–12:45

I will describe homology and cohomology - the basic invariants of algebraic topology. Then I will discuss bundles and their characteristic classes. Finally, I will show how one can use these tools to investigate group representations, in particular the representations of surface groups in  $SL(2, K)$ .