

Unramified cohomology and integral Hodge classes

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Abstract:

Unramified cohomology of a complex algebraic variety produces a very intriguing invariant coming from the comparison between the Zariski and Euclidean topologies. One motivation for studying it is the fact that it provides birational invariants. The talk will be an introduction to this subject, and we will show eventually how the non-triviality of unramified cohomology is related to the defect of the Hodge conjecture for integral Hodge classes, in adequate degrees.