



Speaker: Bena Tshishiku
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Tuesday, May 2, 2017

2:30 PM

258 Hurley Hall

Title: Mapping class group of a K3 surface

Abstract:

The cohomology of the mapping class group $\text{Mod}(M)$ of a manifold M is an important source of invariants for fiber bundles with fiber M . We use arithmetic groups to construct nontrivial classes in the cohomology of $\text{Mod}(M)$ when M is a K3 surface, and discuss some geometric application.