



Speaker: Robin Hartshorne
University of California, Berkeley

Wednesday, March 22, 2017

3:00 PM

258 Hurley Hall

Title: Duality for de Rham cohomology of algebraic D-modules

Abstract:

I will report on some recent work of Nicholas Switala and Wenliang Zhang in which they prove a duality theorem for the cohomology groups of graded D-modules, under the assumption that these are finite-dimensional. This relates to Switala's thesis, and also provides alternative proofs for recent results of Hartshorne and Polini on projective varieties.