

1030-14-300

Nero Budur* (nbudur@nd.edu), Department of Mathematics, 255 Hurley Hall, Notre Dame, IN 46556. *On the Hodge filtration of local systems.*

In the space of unitary local systems of rank one on a smooth variety, we study the jumping loci given by the Hodge filtration on the cohomology of the local systems. (Received August 06, 2007)