

Meeting: 1000, Albuquerque, New Mexico, SS 3A, Special Session on Algebraic Geometry

1000-14-38 **Ravindra V Girivaru*** (ravindra@math.wustl.edu), Department of Mathematics, Cupples I, 1, Brookings Drive, St. Louis, MO 63130, and **Srinivas Vasudevan**. *The Grothendieck-Lefschetz theorem for normal projective varieties.*

The Grothendieck-Lefschetz theorem says the following: Let X be smooth projective variety over an algebraically closed field of characteristic zero and Y be a smooth hyperplane section. Further assume that $\dim(Y) \geq 3$. Then the natural restriction map of Picard groups is isomorphic. We prove an analogue of this in the context of normal projective varieties. (Received August 03, 2004)