

1104-13-155

**Uwe Nagel\*** ([uwe.nagel@uky.edu](mailto:uwe.nagel@uky.edu)), Department of Mathematics, University of Kentucky, 715  
Patterson Office Tower, Lexington, KY 40506. *Gorenstein Algebras and Lefschetz  
Properties*. Preliminary report.

If a standard graded algebra has the Weak or Strong Lefschetz Property, then this puts strong restrictions on its Hilbert function and graded Betti numbers. Several classes of algebras are expected to have a Lefschetz Property. However, establishing this fact is often difficult. In the talk this problem will be discussed for some classes of Gorenstein algebras. (Received August 29, 2014)