

1103-13-37

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The Weak Lefschetz Property (WLP) for an artinian graded algebra says that for a general linear form, the induced multiplication from any component to the next has maximal rank. In characteristic zero, it is known that every complete intersection of height 2 or 3 has the WLP, and it is known that a monomial complete intersection of any height has the WLP. So far the known methods have not extended these results even to arbitrary complete intersections of height 4. We introduce a new approach, which translates the question into one about the general hyperplane section of a certain smooth curve (at least in some interesting cases). It does not prove the desired general result, but it provides some partial results. This is joint work with Mats Boij, Rosa Miró-Roig and Uwe Nagel. (Received August 02, 2014)