
For an associative ring R, the projective level of a complex F is the smallest number of mapping cones needed to build F from the projective R-modules. We will discuss finding lower bounds on the projective level of a complex. In particular, we will show that the length of the largest gap in the homology of a complex F gives a lower bound for the projective level of F. We will then discuss an application of this result to the New Intersection Theorem. (Received February 27, 2017)