

Given a smooth projective variety X , the syzygy (or kernel) bundle associated to an ample and globally generated line bundle L on X is the kernel of the evaluation morphism of global sections of L . These bundles naturally appear in various areas of algebra and geometry, therefore there is some interest in studying their properties. Recently, Ein-Lazarsfeld-Mustopa conjectured the slope stability of the syzygy bundle of a sufficiently ample line bundle L on X . In a joint work with M. Lahoz, we prove this fact in the case of abelian varieties. I will present our results, and some likely generalizations.