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Jason Hardin* (jhardin@worchester.edu). *Bounding the Degrees of Ext-Modules over Complete Intersections.*

Given a module M over a complete intersection R of codimension c , $\text{Ext}_R^*(M, k)$ can be viewed as a graded module over the polynomial ring in c variables with an action given by the Eisenbud operators. We provide an upper bound on the degrees of the generators of this graded module in terms of the regularities of two associated coherent sheaves. In the codimension two case, this bound recovers a bound of Avramov and Buchweitz in terms of the Betti numbers of M . (Received September 22, 2015)