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Mark E Walker* (mark.walker@unl.edu), Department of Mathematics, University of Nebraska, 203 Avery Hall, Lincoln, NE 68588-0130. *Lower bounds on the homology of dg-modules over exterior algebras.* Preliminary report.

Let E be an exterior algebra with n generators over a field, and let P be a perfect dg- E -module that is not acyclic. In this talk I will discuss what is known about the smallest possible value of the dimension of the homology of P . (Received March 01, 2020)