1069-18-225 **Bethany Kubik*** (bethany.kubik@ndsu.edu), NDSU Mathematics Dept #2750, PO Box 6050, Fargo, ND 58108-6050, **Micah J Leamer** (s-mleamer1@math.unl.edu), University of Nebraska-Lincoln, Department of Mathematics, 232 Avery Hall, Lincoln, NE 68588-0130, and **Sean Sather-Wagstaff** (sean.sather-wagstaff@ndsu.edu), NDSU Mathematics Dept #2750, PO Box 6050, Fargo, ND 58108-6050. *Properties of Ext for non-noetherian modules.* Preliminary report.

Let R be a local ring and let M and M' be R-modules. If M and M' are noetherian, then the module $\operatorname{Ext}^i_R(M, M')$ is noetherian for all $i \geq 0$. If M is noetherian and M' is artinian, then $\operatorname{Ext}^i_R(M, M')$ is artinian for all $i \geq 0$. We describe some properties of $\operatorname{Ext}^i_R(M, -)$ when M is artinian, and more generally when M is mini-max, that is, when M has a noetherian submodule N such that M/N is artinian. (Received January 24, 2011)