1161-18-130 **Hannah Altmann*** (hannah.altmann@dsu.edu) and **Sean Sather-Wagstaff**. *On the Number of Semidualizing Modules over a Local Ring.* Preliminary report.

Let R be a commutative local noetherian ring with identity. A finitely generated R-module C is *semidualizing* if the homothety map $\chi_C^R : R \to \mathrm{Hom}_R(C, C)$ is an isomorphism and $\mathrm{Ext}_R^i(C, C) = 0$ for all $i > 0$. It has been proven recently that the number of isomorphism classes of semidualizing modules over R is finite, but little is known about the actual number. Gerko gives some bounds in the artinian case (which are easily extended to the Cohen Macaulay case). Using differential graded algebra techniques, we discuss extensions of this to the non Cohen Macaulay case and, time permitting, also for semidualizing complexes. (Received August 14, 2020)