1164-13-203 **Claudia Miller** and **Hamid Rahmati*** (hrahmati2@unl.edu). *Transferring algebra structures on complexes.*

We discuss a homological method for transferring algebra structures on complexes along suitably nice homotopy equivalences. We also show how one can get such homotopy equivalences, from old ones, using a homological tool called the perturbation lemma. As an application which motivated this project, we discuss how to use this method to build a concrete permutation invariant differential graded algebra structure on a well-known resolution. This is joint work with Claudia Miller. (Received January 18, 2021)