

1128-57-230 **Sujoy Mukherjee*** (sujoymukherjee@gwu.edu). *Properties of lbo homology*. Preliminary report. Lbo homology is more interesting than one-term or two-term distributive homology for certain families of associative shelves. After a brief introduction to lbo homology using pre-simplicial sets, I will discuss the geometric realization corresponding to the pre-simplicial set leading to lbo homology. I will then describe my attempts to connect lbo homology to knot theory via Temperley-Lieb algebras. (Received February 27, 2017)