

1160-13-195 **Hugh R Geller*** (hgeller@clemsn.edu). *DG-Structures for Fiber Products*. Preliminary report.

A construction of Tate shows that every algebra over a ring R possesses a DG-algebra resolution over R . These resolutions are not always minimal and Avramov even shows that certain algebras cannot have a minimal resolution with a DG-algebra structure. This talk gives an explicit construction of a DG-structure for certain fiber products and criteria for determining when the structure is a DG-module, DG-algebra, or minimal DG-algebra. (Received August 10, 2020)