1086-17-1248   **Melissa M Tolley*** (`mmtolley@ncsu.edu`). *Connecting A_∞ and L_∞ Algebras.* Preliminary report.

We first give definitions of A_∞ and L_∞ algebras, showing basic connections between the two. From here, we recall Hiroshige Kajiura and Jim Stasheff's definition of strong homotopy derivations of an A_∞ algebra, create the corresponding definition for L_∞ algebras, then look at the connections between the two derivations. (Received September 20, 2012)