Meeting: 1005, Newark, Delaware, SS 1A, Special Session on Homotopy Theory (in Honor of Donald M. Davis's and Martin Bendersky's 60th Birthdays)

1005-55-144 **James P Lin*** (`jimlin@math.ucsd.edu`), Dept of Mathematics, University of California at San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0112. *Mod p Homology of H-spaces.* Preliminary report.

Let X be a homotopy associative H-space. The primitives of the mod p homology of X is a restricted Lie algebra over the Steenrod algebra. In this talk, we describe various methods for producing commutators and p-th powers in the mod p homology of an H-space. (Received February 07, 2005)