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**Tom Lada\*** ([lada@math.ncsu.edu](mailto:lada@math.ncsu.edu)), Mathematics Department, Box 8205, North Carolina State University, Raleigh, NC 27695. *Finite Dimensional  $L_\infty$  Algebras*. Preliminary report.

We will discuss several finite dimensional examples of  $L_\infty$  algebras. In particular, of such example will be shown to be a non-trivial example of an open-closed homotopy algebra. (Received February 05, 2009)