1086-05-2333   **Ji Young Choi*** (`jychoi@ship.edu`), 1871 Old Main Dr, Dept of Math, Shippensburg University, Shippensburg, PA 17257, and **Doug Ensley** (`deensley@ship.edu`). *Row reducing the Matrix of m-Generalized Combinations.* Preliminary report.

The number of ways to choose k elements from an n set allowed m repetitions is called the (n, k)-th m-generalized combination. This talk will show how the row echelon form of a matrix consisting of m-generalized combinations can be related to a matrix of $(m-1)$-generalized combinations. (Received September 25, 2012)