

Meeting: 998, Houston, Texas, SS 19A, Special Session on Algebraic Geometry

998-14-385 **Angela C. Gibney*** (angela.gibney@yale.edu), **Linda Chen** (lchen@math.columbia.edu)
and **Daniel R. Krashen** (daniel.krashen@yale.edu). *The Chow groups of the Fulton
MacPherson configuration spaces*. Preliminary report.

Fulton and MacPherson discovered $X[n]$ a natural compactification of the configuration space of n distinct labeled points on a nonsingular algebraic variety X . In their paper [Annals 139, 1994 p. 187-225], they define $X[n]$ and among other things, give presentations of their intersection rings. In this talk, following an introduction to the spaces $X[n]$, I will give an explicit presentation of the Chow groups of the $X[n]$ in terms of the Chow groups of X and the boundary divisors. This talk is about joint work between myself, L. Chen and D. Krashen.

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