962-05-1388 Susan L Foege\* (matfoege@acs.eku.edu). Generalized stress spaces on nonsimplicial polytopes. Here we look at extending the notion of generalized linear stress spaces,  $S_i^l$ , i = 0, 1, ..., d, of a simplicial convex d-polytope (dually, McMullen's weight spaces associated with a simple polytope) to nonsimplicial (or nonsimple) polytopes. In the simplicial case, the dimensions of the stress spaces match the h-vector of the polytope, ie,  $\dim S_i^l = h_i$ , thus a bijection between  $S_d^l$  and  $S_0^l$  exists. We hope to see some similar results in the extension to nonsimplicial polytopes. (Received October 03, 2000)