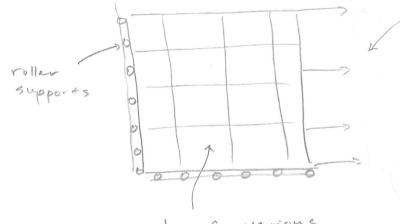
Assignment 8

For the union elastostatic setting write an assembly restine for K. For the required form for D refer to the Hughes book.

Now that you can compute the residual R and K complete your implementation of the Newton-Raphson driver algorithm.

Test that your implementation works correctly for ID, 2D, and 3D for the following "paten tests" (oney shown):



test for various which densities and values of

E and V

constant displacement boundary condition in the X-direction and a constant traction force in the X-direction