ME 531- Inelastic Design Methods Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework #5 Due March 16, 2016

Please use the WARP3D tutorial (1 element), run Warp3D, and obtain the shear stress­ shear strain curve of the cube under shear loading. This is essentially a repeat of P. Chowdhury’s demonstration in class. Deform to a shear strain of 0.3. What is the plastic hardening modulus in shear in comparison to uniaxial loading?