ME 531 HW #6

Name _____ Due April 29, 2020

Using the WARP 3D Crystal Plasticity code, and the folder given in the U of I inbox please perform the following: (1) Starting with example of Sameer of single element, draw the stress-strain curve for the single crystal under uniaxial tension. Deform to strain level of 80%. (2) Based on the simulation above, determine the rotation of the crystallographic axis of the specimen? (3) Then, determine the rotation under the same strain in compression? Give your results with clear plots.