

03/01/2021

HW09: Question related to the analysis of the ideal yield stress

In today's class we did a simple analysis for the ideal yield stress in terms of the shear modulus assuming a triangular force-displacement curve.

Repeat the above analysis, but this time assuming the curve to have a sinusoidal shape with a period equal to the slip vector. Compare this with the result in class that $\sigma_{ideal} = 0.25G$