

AOE 3024, Thin Walled Structures

Homework # 9, Due November 26, 2001

NAME

Pledge

Problem P.9.10, on page 349-350 of your text.

Hint: Use the expressions on page 288 of your text and the parallel axis theorem to calculate the second area moment of a strip making an angle β with the x -axis.

Also, you will need to calculate the torque caused by the shear flow on an inclined branch. This can be done by resolving the shear force acting on the branch in x and y components.