

AOE 3024, Thin Walled Structures

Homework # 10, Due November 28, 2001

Problem P.9.15, on page 352 of your text.

Hint: Note that this is an unsymmetric cross-section. The shear flow an unsymmetric cross-section is given by Eq. 9.34 on page 296 of your text. Also see example **9.4** on pp. 296–298 of your text for an application of this equation. You will have to determine the shear flow twice, first for a shear force S_y and then for S_x . Use the shear flow for S_y to determine ξ_s and the shear flow for S_x to determine η_s .