

Name _____ Student number _____

Assignment 5

Determine the angular speed of free vibrations for the thin triangular slab shown. Assume plane stress conditions. The material properties E , ν , ρ and thickness h of the slab are constants. Use the approximations $u = 0$ and $v = (1 - x/L)u_{Y1}$ in which the nodal value u_{Y1} is a function of time.

