



Hydrostatic force on plate = ((9810x). 3/(4-x).dx Thursday, September 13, 2018 8:22 AM water surface Ex. depth 6m  $x^2 + y^2 = 4$ 8m hickness = dy Set up the integral to find the hydrostatic force acting on this incular plate. 9810(8-y) Pressure strip = p.g. (8-y) = Force strip = L'strip Astrip = 9810(8-y).(214-y²) dy

Thursday, September 13, 2018



