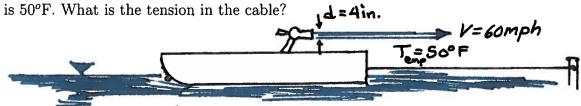
CE 3305 Water Systems Design Quiz 14 Spring 2014

A firehose on a boat is producing a 4-in. -diameter, horizontal, water jet with a speed of V= 60 mph. The boat is held stationary by a cable attached to a pier. The water temperature is 50°F. What is the tension in the cable?



KNOWB

GOVERNIUG EQUATION (S)

MOMEUTUM

SOLUTION

= 1309 lbf