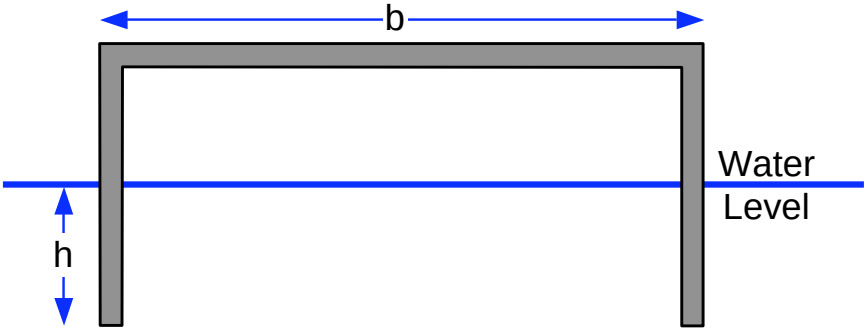
Problem 105A

A thin-walled, rectangular channel section (open at the ends) floats upside down in a pool of water:



As indicted in the figure, the vertical sides are submerged to a depth h and the width of the channel section is b. If the center of mass of the channel section happens to lie on the waterline find the particular value of the ratio b/h above which this floating configuration is stable.