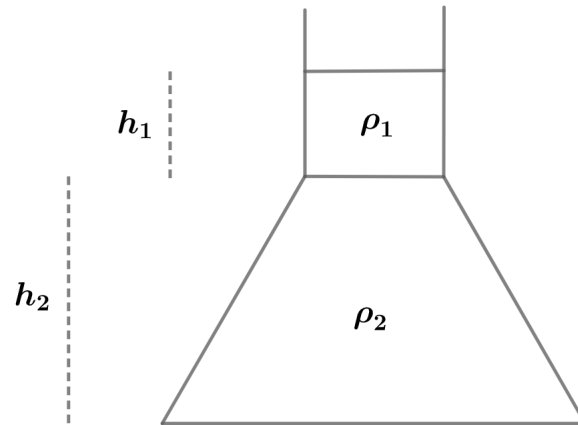


2020A F=ma Exam: Problem 15

Kevin S. Huang



Recall the gauge pressure in a fluid of density ρ at depth h is given by

$$P = \rho gh$$

By Pascal's principle, if we go to the bottom of the vessel, we add the contributions from both fluids above:

$$P = \rho_1 gh_1 + \rho_2 gh_2$$