EES Ver. 10.835: #1867: For use by students and faculty, College of Engineering, University of Oklahoma, Stillwater, OK

{Question 1.26}

g=9.81[m/s^2] A=0.01[m^2] m=50[kg] P_atm=1[bar]

 $P=P_atm+((m*g)/A)*convert(Pa, bar) {Pressure: P = 1.491 bar}$

SOLUTION

Unit Settings: SI C kPa kJ mass deg

 $A = 0.01 \text{ [m}^2\text{]}$ $g = 9.81 \text{ [m/s}^2\text{]}$ m = 50 [kg] P = 1.491 [bar]

No unit problems were detected.