

$$K = 7.6 \, \text{km/m}$$
 $N = \frac{\text{kg.m}}{5^2} \rightarrow \frac{1}{16} \cdot (0^3 \cdot 10^{10} \cdot 10^2)^2$ 
 $M = \frac{\text{ML}}{5^2} \rightarrow \frac{\text{ML}}{7^2}$ 

$$N/m \rightarrow \frac{1}{1.602} \cdot 10^7 \, \text{M}_{ASU} / \text{Cps})^2$$

6. 
$$CO_2$$
 $K = 1.6 \text{ kN/m}$ 
 $V_0 = \frac{1}{2K} \sqrt{\frac{k}{m}}$ 
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$$F_1 = -R$$

$$M = M_C = 12.077/9649$$
 $M = M_O = 15.99 U = 15.99/9649$ 
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 $K = 1.66 kN/m = 1600/16.0218$ 

$$W_2 = \sqrt{\frac{K}{m}} = 245.489... \approx 39.67 THz$$

$$U_3 = \sqrt{K(1+2m/m)} = 469.807 = 74.77Hz$$