

Forming - - KX

K=1.1 cm $\Delta x = 2.2 m - 27 cm$ $\Delta x = 1.93 m$ $\frac{1}{2} K A^2 = \frac{1}{2} m v^2 + \frac{1}{2} K x^2$

Fspnng = -(.011)(1.93) = 0.02123 N0.02123 = K(2.2) K = 0.00965 m

 $KA^{2} = mv^{2} + Kx^{2}$ $KA^{2} - Kx^{2} = mv^{2}$ $K(A^{2} - ix^{2}) = mv^{2}$ $K = \frac{mv^{2}}{A^{2} - x^{2}}$

KURLA