

Errata for
*Introduction to Structural
Dynamics and Aeroelasticity, Second Edition*

Dewey H. Hodges and G. Alvin Pierce
Errors in First Printing

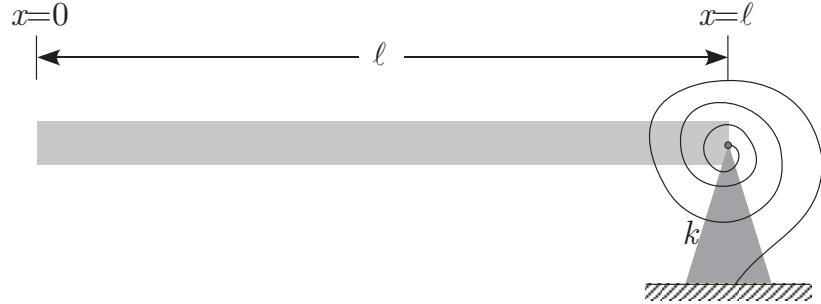


Figure 3.38: Schematic of spring-restrained, hinged-free beam

Page Description

77 The second of Eqs. (3.219) should read

$$M(0, t) = I_C \frac{\partial^3 v}{\partial x \partial t^2}(0, t) \quad (3.219)$$

77 The second of Eqs. (3.220) should read

$$\overline{EI}(0) \frac{\partial^2 v}{\partial x^2}(0, t) = I_C \frac{\partial^3 v}{\partial x \partial t^2}(0, t) \quad (3.220)$$

77 Eqs. (3.224) should read

$$\begin{aligned} -V(\ell, t) &= m_c \frac{\partial^2 v}{\partial t^2}(\ell, t) \\ -M(\ell, t) &= I_C \frac{\partial^3 v}{\partial x \partial t^2}(\ell, t) \end{aligned} \quad (3.224)$$

78 Eqs. (3.226) should read

$$\begin{aligned} V(\ell, t) &= m_c \omega^2 v(\ell, t) \\ M(\ell, t) &= I_C \omega^2 \frac{\partial v}{\partial x}(\ell, t) \end{aligned} \quad (3.226)$$

85 Figure 3.38 should be as shown above; the pin support is missing from the figure in the text.