

Errata for
Introduction to Structural
Dynamics and Aeroelasticity, Second Edition

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Errors in Second Printing

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Page Description

- 7 At the bottom where Newton's laws are stated, the third law should read, "... Q simultaneously exerts a force on P with the same magnitude and line of action but..."
- 14 In the next to last line of the paragraph just before Art. 2.2.3, there is a reference to Problem 5. This should refer to Chapter 3, Problem 5.
- 99 The matrix $[K]$ in Eq. (3.310) should be replaced by $[K\cdot]$.
- 112 Equation 3.355 should read
- $$v(x, t) = \begin{Bmatrix} 2z^3 - 3z^2 + 1 \\ z^3 - 2z^2 + z \\ 3z^2 - 2z^3 \\ z^3 - z^2 \end{Bmatrix}^T \begin{Bmatrix} v_i(t) \\ l_i \beta_i(t) \\ v_{i+1}(t) \\ l_i \beta_{i+1}(t) \end{Bmatrix}$$
- 112 The header for the second column of Table 3.9 should read $\theta(\ell) \frac{r\ell^2}{GJ_0}$.
- 120 In the third line of Problem 14, "pirot" should be replaced by "pivot."
- 130 The third from the last sentence before Eq. (4.7) should end, "... which decreases as q increases."
- 152 The second sentence under Eq. (4.88) reads, "The lowest value is associated the aileron reversal." It should instead read, "The lowest value is associated with aileron reversal."
- 158 The sentence underneath Eq. (4.100) reads, "... this is equation can be written as..." but should read, "... this equation can be written as..."
- 164 The paragraph that starts on page 163 and ends on page 164 says, "... which is normally destabilizing for cases with the elastic axis behind the aerodynamic center." This phrase should be written instead as "... which is destabilizing."
- 176 In the fourth line of the first complete paragraph, that sentence should end with "... elimination of flutter can be guaranteed only by thorough testing."