

**Errata (Chapter 3)**  
**R. C. Batra, Elements of Continuum Mechanics, AIAA, 2005.**

Page 49, Line following Eq. (3.50)  
where  $\alpha, \beta, \gamma,$  and  $\delta$  are **positive-valued** functions . . .

Page 51, 2nd Eq. after Eq. (3.56)

$$f^{-1} = (A + D/R^2)^{1/2} R^4.$$

Page 57

Eq. (iii)<sub>3</sub>

$$x_2 = \dots + \beta X_2 \cos(\theta \gamma X_3)$$

Eq. (iv)

$$F_{22} = +\beta \cos(\theta \gamma X_3)$$

Page 113, Ex. 3.27

$$\frac{\partial II_C}{\partial f_{iL}} = \mathbf{2}(\dots)$$

Page 114, Ex. 3.29

where  $k$  is a constant satisfying  $0 \leq |\mathbf{k}| \leq 1$ .

Page 114, Ex. 3.31

(4,0) should be (1,1)