<u>Errors in Chapter 4:</u>

<u>Pg 171, Eq 10(b):</u>

Subscripts for the Coefficient of Mutual Influence that appears in the fourth term on the right side of the equality are incorrect. The coefficient appears incorrectly as $\eta_{xz,yy}$. The correct subscripts are $\eta_{yz,yy}$. Hence, the fourth term should be:

$$\left(\frac{\eta_{yz,yy}}{G_{yz}}\right)\tau_{yz}$$

<u>Pg 172, Eq 12:</u>

- The expression for S_{44} should be:
$$S_{44} = \frac{1}{G_{yz}}$$
- The expression for $S_{54} = S_{45}$ should be:
$$S_{54} = S_{45} = \frac{\mu_{yz,xz}}{G_{yz}} = \frac{\mu_{xz,yz}}{G_{xz}}$$
- The expression for $S_{64} = S_{46}$ should be:
$$S_{64} = S_{46} = \frac{\mu_{yz,xy}}{G_{yz}} = \frac{\mu_{xy,yz}}{G_{xy}}$$

<u>Pg 173, Eq 13:</u>

- The first-listed inverse relationship should be:
$$\frac{\nu_{xy}}{E_{xx}} = \frac{\nu_{yx}}{E_{yy}}$$
- The eighth-listed inverse relationship should be:
$$\frac{\eta_{yy,xz}}{E_{yy}} = \frac{\eta_{xz,yy}}{G_{xz}}$$

<u>Pg 175, Eq 16:</u>

The compliance term S_{21} (which appears in the second row, first column) is: $\left(\frac{-\nu_{12}}{E_{11}}\right)$.

<u>Pg. 176, Eq 20:</u>

The expression for C_{13} should be:

$$C_{13} = \frac{S_{12}S_{23} - S_{13}S_{22}}{S}$$

Pg 177, Eq 22:

The compliance term S_{21} (which appears in the second row, first column) is: $\left(\dfrac{-\nu_{12}}{E_{11}} \right)$.

The compliance term S_{31} (which appears in the third row, first column) is: $\left(\dfrac{-\nu_{13}}{E_{11}} \right)$.

The compliance term S_{44} (which appears in the fourth row, fourth column) is: $\left(\dfrac{2(1+\nu_{23})}{E_{22}} \right)$

Pg 181, fourth line from bottom:

An extraneous minus sign ("-") appears in the expression for the constant Ω. The expression should be:

$$\Omega = E_{11} E_{22} - \nu_{12}^2 E_{22}^2 - \nu_{13}^2 E_{22} E_{33} - \nu_{23}^2 E_{11} E_{33} - 2\nu_{12}\nu_{13}\nu_{23} E_{22} E_{33}$$

Pg 185, Eq 27:

The fourth strain component listed in the thermal strain array should be γ_{yz}^T, not γ_{yx}^T.

Pg 188, third line from bottom:

Insert the word "material" after "orthotropic."

Pg 190, material properties for Homework Problem 1-4:

The third Chentsov coefficient is *mislabeled* as: $\eta_{xz,yz} = 0.10$. It should read: $\mu_{xz,yz} = 0.10$.