

Errors in Chapter 5:

Example Problem 5.6, Pg 205: The moisture expansion coefficients used in this problem ( $\beta_{11} = 150 \mu\text{m}/\text{m}/\%M$  and  $\beta_{22} = 4800 \mu\text{m}/\text{m}/\%M$ ) differ from those listed in Table 3.1. Although the calculations presented are correct, a different result would be obtained if the numerical values listed in Table 3.1 were used.

Pg 207: The algebraic sign of the stress components are reversed. The final result should be:

$$\begin{Bmatrix} \sigma_{xx} \\ \varepsilon_{yy} \\ \gamma_{xy} \end{Bmatrix} = \begin{Bmatrix} -19.0 \text{ MPa} \\ 5.04 \text{ MPa} \\ -21.1 \text{ MPa} \end{Bmatrix}$$

Pgs 211: The final calculated strains are referenced to the x-y coordinate system, not the 1-2 coordinate system:

$$\begin{Bmatrix} \varepsilon_{xx} \\ \varepsilon_{yy} \\ \gamma_{xy} \end{Bmatrix} = \begin{Bmatrix} 294 \mu\text{in} / \text{in} \\ 2268 \mu\text{in} / \text{in} \\ -2352 \mu\text{rad} \end{Bmatrix}$$