Text Errors in First Printing (Updated 3/31/2003)

Pages vii, 194, 195, 196, 318: University of Maryland Web site should read …
www.wam.umd.edu/~sanford

Page 33: In the third paragraph it should read: …Also, body forces have been neglected…

Page 38: last sentence should read: …around the boundary of the hole…

Page 43: the second paragraph should read: One of the problems that Inglis solved was the case of a plate with an elliptical hole, as illustrated in Figure 2.15, subjected to uniform normal stresses at infinity. For the problem of uniform biaxial stress, the boundary …

Page 143: line above eq. (4.25a) should read: [Eq.(3.53a)] …

Page 146: second line should read: … less compliant than the actual structure …

Page 178: line above Figure 5.16 should read: …Wheatsone bridge …

Page 184: Eq. (5.29) should read: $\cdots \sum_{m=1}^{\infty} 2B_m r^m \cos m\theta \cdots$

Page 194: Exercise 5.2 should read: …with a deep crack (a=5.1") approaching a …

Page 201: Next to last line should read: …due to Fedderson, Eq. (3.62), …

Page 214: Eq. (6.21b) should read: $\text{COD} = \frac{8\sigma_o a}{\pi E} \ln \sec\left(\frac{\pi\sigma}{2\sigma_o}\right)$

Page 234: Exercise 6.3 should read:

6.3 (a) Derive expressions for the Cartesian stresses from the stress functions of Eq. (6.20).

(b) Compare the stresses from part (a) to those of the corresponding elastic solution [i.e. Eqs. (3.37].

Page 251: Next to last line in the second paragraph should read: … Irwin's tangent formula, Eq. (3.60). This test …

Page 262: Third line below Eq. (8.8) should read: …This is of the same order…

Page 279: Exercise 8.6 should read: … The specimen was a standard 1T compact-tension…

Page 290: Third line above Figure 9.9 should read: … we will look at the various attempts …

Page 312: Fourth line from top should read: …but offers different options for modeling fatigue. …

Page 312: Fourth line of last paragraph should read: … active crack tip, has …

Page 320: Exercise 9.10 should read: …between 10 ksi and 20 ksi in a plate with a 0.5 inch diameter hole. Assume …

Page 336: Exercise 10.3 should read: …Assume that the costs of the steels are comparable and that magnetic particle inspection will be used.

Page 341: Eq. (11.6) should read: $J = \int_{\Gamma} \left(W\, dy - T_i \frac{du_i}{\partial x} ds \right)$

Page 355: Exercise 11.3 should read: …A standard 1T aluminum compact…

Page 363 Line following Eq. (B.7d) should read: Equations (D.7d) is called the *Euler Identity*. Substituting …

Page 370: add to the end of the first paragraph: Note that concentrated forces are given per unit thickness.

Back cover: last line should read: …American Society for Testing and Materials (ASTM).