Erratum (Note these corrections have been applied to the pdf-version of the book but not the printed version.)

Page 105 –

$$\mathbf{R} = \begin{bmatrix} \cos\theta & -\sin\theta \\ \sin\theta & \cos\theta \end{bmatrix}. \qquad (7.19)$$

Page 106 –

$$\tan 2\theta = \frac{-1}{f} \qquad (7.28)$$

Page 106 –

$$\sigma_3 = \sigma_1 + 2\left(f\sigma_1 - S_o\right)\left[\left(1 + f^2\right)^{1/2} + f\right]. \qquad (7.29)$$

Page 166 –

$$V(\mathbf{k}_h, z) = -F_x \frac{(\lambda + u)}{\mu(\lambda + 2u)} \frac{k_x k_y}{2\pi} \left[\frac{1 + 2\pi|\mathbf{k}_h|(z - a)}{4|\mathbf{k}_h|^3}\right] e^{-2\pi|\mathbf{k}_h|(z-a)} \qquad (10.68)$$

Page 220 –

Exercise 15.2. Show that equation (15.29) is the Green's function for the biharmonic equation by showing the following equation is true $\nabla^4|\mathbf{x}|^2 \ln|\mathbf{x}| = 8\pi\delta(\mathbf{x})$.

Page 232 –

$$D\left(\frac{\partial^4}{\partial x^4} + 2\frac{\partial^4}{\partial x^2 \partial y^2} + \frac{\partial^4}{\partial y^4}\right) w(\mathbf{x}) + (\rho_m - \rho_w)\, g w(\mathbf{x}) = -(\rho_c - \rho_w)\, g t_o(\mathbf{x}) \qquad (17.2)$$