Viscoelastic Solids corrigenda, 8.31.07

Page 16. Equation after Eq. (2.2.4) Δ t to zero should be Δt to zero
Eq. (2.2.5) dτ at right of equation.
Page 22, Eq. (2.5.1) add equals sign, σ (t) = .
In the expression to the far right, -R should be R.
Page 26, Eq. (2.6.14) ε s should be ε (s) in last term of left side
Page 30, Eq. (2.6.39) change K to c.
Page 44, a point of clarification. Eq. 2.12.3 is more general than Fung's QLV model and includes it as a special case for which the shape of the relaxation curve is independent of strain.
Page 49, second line after Eq. (E2.3.6) change a viscoelastic to an elastic.
Page 50, Eq. (E2.4.3) change much greater than to greater than .
Page 53, equation after Eq. (E2.8.2) on the left, enclose the integrand in square brackets.
Page 58, top line, dJ(t' - 2t_1) should be dJ(t').
Page 63, Eq. (3.2.1) add equals sign, σ (t) =
Page 64, Eq. (3.2.2) Inside the integral, exp(i omega tau).
Page 70, Eq. (3.2.24) B (π/2 - δ) should be B sin (π/2 - δ).
Page 88, A2 just below the diagram has a - sign in the exponential.
Page 91, Eq. (3.7.10) change + to -
Page 94, Eq. (3.2.24) sin (ω_n t) should be sin (ω n_nt).
Page 96, Example 3.2 line 1, E' + i E' should be E' + iE"
Page 97, Eq. (E3.3.3) π A/B should be π A/)B cos δ)
Page 99, fourth equation, change sin ^{2} δ to sin $^2\delta$ / cos δ
Page 105, Eq. (E3.11.1) change J_0 to J_0"
Page 121, Fourth line after third equation, G" should be E"
Page 123 Next to last equation, G' should be E'
Page 124 First equation, G_e should be E_e
Page 129 Top equation, A should be in the numerator. In second and third equations, add A in the numerator of the right hand side.
Page 131 Eq. (E4.3.1), Ge should be Ee. At the bottom, if you prefer more significant figures, replace 0.05 with 0.0477
Page 132 Fig. E4.3, G_e should be E_e. In all of these one can refer to shear (G) or tension (E). The change is for consistency.
Page 135 Fifth equation number from top, left hand side of the equation should be J" instead of dJ'(omega)/d omega.
Page 141 Fig. 5.1, the horizontal axis is the x axis. In the text, (1) should be (a), (ii) should be (b) and (iii) should be (c) for consistency.
Page 142 The integrals in Eq. (5.3.3) and (5.3.4) are double integrals.
Page 146 The three equations below Eq. (5.5.3) need a minus sign on the right.
Page 158 Eq. (5.7.20) x on the right should be z. In text below, z is perpendicular to the rod axis.
Page 170, in Eq. (E5.1.2), change the 2 in the denominator to 4. The 4 is correct in the subsequent development, and the final result is correct.
Page 178. In Example 5.8, second and third formulae ξ xi, not the derivative of xi; λ lambda, not the derivative of lambda, since the derivatives are incorporated in the definition of xi via the cube of s. The final result is correct.
Page 179, next to last equation add ε_{11} to end of right hand side.
Page 234, in Eq. (E6.9.3) and (E6.9.4) it is the log of the ratio rather than the ratio of the logs.
Page 239, reference 6.2.4 to Howard should be ed. R. Haward. Chapter 4.
Page 330, last paragraph, S_{1122} is less than 0
Page 335, Problem 8.5, effect should be effect of
Page 342, Paragraph 2, line 2, isotopic should be isotropic
Page 366, reference 9.2.1, add volume 29 to the J. Appl. Mech. citation.
Page 458, top exp(+ i omega t), reverse sign.