Errata

- p 10 line 12. should read \( f(2,4) = -4 + 2 \cdot 2 = 0 \).
- p 10 line 13. should read “slope 0”.
- p 14 line -2. should read \( c_1 = 0 \).
- p 17 line -6. should read "\texttt{dsolve}\{\texttt{diff(u(t),t)=f(t,u(t)), u(a)=b),u(t)}\}".
- p 40 Exercise 13. \( p' \) should be \( P' \).
- p 47 Exercise 2. “places” should read “placed”.
- p 59 Exercise 5. Take \( t_0 = 0 \).
- p 91 line -5. \( u'' + 2u' + 5u = 0 \).
- p 91 line -4. \( k = 5 \) and \( \lambda^2 + 2\lambda + 5 = 0 \).
- p 92 line 11. should read \( u' = -2Ae^{-t} \sin(2t - \varphi) - Ae^{-t} \cos(2t - \varphi) \).
- p 92 line 13. should read \( u'(0) = 2A \sin \varphi - A \cos \varphi = 3 \).
- p 92 line 15. \( A \sin \varphi = \frac{3}{2} \) should read \( A \sin \varphi = 2 \).
- p 92 line 16. should read \( A^2 = 5 \).
- p 92 line 17. \( A = \sqrt{5} \).
- p 92 line 19. \( \varphi = \arctan 2 = 1.107 \).
- p 92 line 21. \( u = \sqrt{5}e^{-t} \cos(2t - 1.107) \).
- p 92 line 24. 1.107/2.
- p 147, last line. \( d\tau \) in the integral.
- p 193, line -10. linear.
- p 194, lines 7,8. \( x', y' \).
- p 195, line 5. delete “indexnode”.
- p 275 line 2. \( u' = k/u \) and \( u(t) = \sqrt{C + 2kt} \).
- p 276 Sec 3.1. #5. \( x^2 \) should read \( x^2 \).
- p 277 line 6. \( at^3 + bt^2 + ct + d \).