

Errata
J. David Logan, A First Course in Differential Equations,
Springer–Verlag, NY 2006.

- 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 “`dsolve({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^x should read x^2 .
- p 277 line 6. $at^3 + bt^2 + ct + d$.



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