

List of corrections
Lectures on Differential Equations
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p. 86: For the problem IV.10 the correct answer is

$$y = \frac{4}{9}e^{2t} - \frac{1}{9}e^{-t}(3t - 5) .$$

p. 144: For the problem III.6 it should be

$$y_1(x) = 1 + (x - 2)^2 + \frac{1}{6}(x - 2)^3 + \frac{1}{6}(x - 2)^4 + \frac{1}{15}(x - 2)^5 \cdots .$$

p. 206: The direction of the motion on the stable spiral should be clockwise.

p. 211: For the problem II.6 the correct answer is *saddle*.

p. 237: A *limit cycle* is a periodic solution that attracts nearby solutions as $t \rightarrow \infty$, or $t \rightarrow -\infty$.

p. 242, line 11: $a(t)$ is the rate of growth (not carrying capacity).

p. 243, third line above Corollary 6.6.1: ... an increase in *the rate of growth* will increase...

p. 313: For the problem II.8 the correct answer is

$$u(x, y) = 2 + \frac{1}{2}(x^2 - y^2) - y .$$