

Errata for  
*Ordinary Differential Equations: A Systems Approach*,  
 by Bruce P. Conrad  
 Supplementary list (applies to the Second Printing).

A separate errata sheet is available for the First Printing.

**Corrections to Example 1.3.3 on page 20:** The transmission coefficient should be  $k = 0.2 \text{ hour}^{-1}$ , not  $0.05 \text{ hour}^{-1}$ , as printed. In detail, the numbers  $\pm 0.05$  should be replaced with  $\pm 0.2$  in the statement and solution of this example at each occurrence. No other changes are necessary. These changes affect the following lines (negative line numbers count from the bottom of the page): 2, 12, -11, -9, -8 (in two places), -6, -4 (in two places), and -2 (also in two places).

**Other errata:**

Page	Line	Change	To
15	-17	If the object is colder than the environment, its temperature will decrease, and ...	If the object is warmer than the environment, its temperature will decrease, and ...
50	4	equation (i)	the ODE
113	5	$y = Ce^{2t}$	$x = Ce^{2t}$
144	Ex. 5	$x(0) = 1$	$x(0) = 2$
256	-7	$\frac{1}{\sqrt{t}}e^{-st}$	$\frac{1}{\sqrt{t}}e^{-st} < \frac{1}{\sqrt{t}}$

**Corrections to answers:**

<b>Page</b>	<b>Section</b>	<b>Answer</b>	<b>Make these changes</b>
A-17	4.5	7	Replace the formula for $x$ in the last line of the answer with $x = e^{-2t}(3 + t - 6t^2)$ .
A-17	5.1	4	The answers shown are for parts (a), (c), and (e), not Exercises 4, 6, and 8, as indicated.