

Updates

*Introduction to Computational Science:
Modeling and Simulation for the Sciences, Second Edition*
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We appreciate suggestions made by our readers.

p. 87, Module 3.2, last sentence in Exercise 5

This sentence should read, “The system should model two situations, $length > unweighted_length$ and $length \leq unweighted_length$.”

Courtesy of Naiyf S. Alsaud

p. 117, Module 4.1, “Answers to Quick Review Questions,” 2

“B. BTS, because a larger portion of the white tip sharks are dying”

p. 165, Module 4.5, reaction

The reaction should be labeled with (1) as the text refers to “Reaction 1.”

Courtesy of Naiyf S. Alsaud

p. 171, Module 4.5, sentence after Quick Review Question 6

p. 172, Module 4.5, first and last sentences in “Modeling Inhibition”

The letter “a” is missing from “Michaelis-Menten.”

Courtesy of Naiyf S. Alsaud

p. 183, Module 5.2, last line of “Modeling Errors”

Change “is” to “his.”

Courtesy of Naiyf S. Alsaud

p. 189, Module 5.2, next-to-last line of second paragraph

Change “3.71/1.54” to “3.71/9.75.”

Courtesy of Naiyf S. Alsaud

p. 213, Module 6.3,

Change “((slope of tan at $P(8)$))” to “(slope of tan at $P(8)$)”

Courtesy of Naiyf S. Alsaud

p. 216, Module 6.3, “Error” section, third line

Change “ $(180 - P(8)) / P(8)$ ” to “ $|180 - P(8)| / P(8)$ ”

Courtesy of Naiyf S. Alsaud

p. 235, Module 7.1, Part d, third paragraph, equation

Change b after the minus to e : “Verify that $B = \frac{aA_0}{b-a}(e^{-at} - e^{-bt})$,”

p. 727, Module 17.7, Project 1 a

Change “ $probHIV = 0.05$ ” to “ $probHIV = 0.0055$ ”

Courtesy of Tarun Sharma

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