

ERRATA IN FIRST PRINTING

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Important errata in main text.**Volume 1 (Chapters 1–21)**

Inside front cover: Table “SPECIAL UNITS AND CONVERSION FACTORS” on line “time” at end of line.

Change “ 3.56×10^7 s” to “ 3.156×10^7 s”

- p. 98. First line (Checkup 4.1, q. 4): Change “clockwise” to “counterclockwise”
- p. 483. Example 6, Solution. First equation. After first equals sign, change “p” in denominator to “ π ”
- p. 225. Figure at bottom. In balloons, change “F” to “E” (two times).
- p. 548. Figure 17.14. In figure, change “15 m/s” to “6.0 m/s” and change “9.3 m/s” to “2.5 m/s”
- p. 584. Figure 18.31. Swap the “ y_1 ” and “ y_2 ” labels (the left one should be y_1 , and the right one y_2).

Minor errata in text, Problems, Appendices, etc.**Volume 1 (Chapters 1–21)**

- p. 35. Section 2.3. 5th line. Insert “magnitude of the” before “instantaneous”
- p. 64. Problem 84. 3rd line. Change “thrower magnitude” to “thrower with a velocity of the same magnitude”
- p. 131. Figure 5.1 caption. Add sentence “The pucks move along straight lines with uniform velocity, except when they collide.”
- p. 162. Problem 5. 3rd line. Insert “horizontal” between “average” and “force”
 Problem 20. End of first line of equation. Change “j” to “j”
- p. 178. Figure 6.5b. Label “P” should be near tip of black vector. Label “N” should be near tip of red vector.
- p. 200. Problem 69. 4th line. Change “(theta)” to “ θ ” (two times).
- p. 216. Example 5, Solution. 1st line. Change “leave” to “leaves”
- p. 254. Line before Eq. (8.37). Change “ ΔW ” to “W”
 Equation (8.40). Change “ ΔW ” to “W”
- p. 423. Problem 54. Change “h” to “ \hbar ” (h -bar) (three times).
- p. 494 Summary Item “Simple Harmonic Motion.” second line. Change “Where A is the amplitude $x = 0$; . . .” to “Where A is the amplitude (the maximum displacement from $x = 0$); . . .”
- p. 500. Figure 15.31. The bottom end of the wall should have a semicircular pocket, to accommodate the ball when the string reaches the wall.

Appendices

- p. A-34 (unnumbered Appendix page: Equation Sheet). “Chapters 22–41”
 1) first column, 17th line: change “ ΔY ” to “ ΔV ”, change “F” to “E”, and do not subscript “ $\mathbf{E} \cdot d\mathbf{s}$ ”
 2) middle column, 16th line: change “ B_1 ” to “ B_\perp ”
- p. A-37 Solution: Ch. 3, Prob. 13. Change “1.88” to “1.275”
- p. A-37 Solution: Ch. 4, Prob. 35. Change “68.8” to “44.0”
- p. A-43 Solution: Ch. 11, Prob. 80 should be Prob. 81.
- p. A-50 Solution: Ch. 20, Prob. 101. (c) Change “ 1.7×10^4 ” to “ 7.8×10^4 ”
 (d) Change “ -2.4×10^3 J” to “0”
- p. A-50 Solution: Ch. 21, Prob. 85. (d) Change “44%” to “22%”
- p. A-52. Appendix. Photo credit for Fig. 5.1 should be to David Hammond.