Corrections to

Problems and Solutions in Introductory Mechanics

First Printing

David Morin

Please email morin@physics.harvard.edu if you find any errors.

The corrections below are listed by page number. They are grouped into three categories: (1) Important errors that will cause confusion, (2) minor errors that might cause confusion, and (3) trivial errors that should not cause confusion.

Important errors:

(None yet)

Minor errors:

39: Fig. 2.15: The \( v_2^2 = aT \) equation should be \( v_2 = at \).

107: 5th line after Eq. (5.10): The inequality should be \( U(x) > E \) instead of \( U(x) < E \).

198: Eq. (7.30): The limits of integration in the 2nd integral should be \( -\pi/2 \) to \( \pi/2 \) (as they are in the 3rd integral).

Trivial errors:

20: 5th line from bottom of page: \( \ldots \) squared larger effect \( \ldots \)

81: 1st line of Problem 4.20: A plane in a holding pattern \( \ldots \)

81, 100: Title of Problem 4.21: Braking and turning

340: 4th line of page: \( \ldots \) if you want more digits