

Corrections to  
**Problems and Solutions in Introductory Mechanics**

First Printing

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**Please email [morin@physics.harvard.edu](mailto: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  $v_2 = aT$  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).

*210*: 2nd line before Fig. 7.44:  $N_1 = 2mg \cos \theta$  (instead of  $\sin \theta$ ).

*323*: 5th line in the Remark in Solution 12.9: “negative  $x$  axis” (instead of  $y$  axis).

**Trivial errors:**

*20*: 5th line from bottom of page: ... squared larger **effect**...

*81*: 1st line of Problem 4.20: A plane in a holding **pattern** ...

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

*105*: 3rd line after Eq. (5.4): The  $\Delta x$  in the integral should be  $dx$ .

*340*: 4th line of page: ... if **you** want more digits