

Errata for The Feynman Lectures on Physics Volume I New Millennium Edition (Newly Reported)

The errors in this list appear in *The Feynman Lectures on Physics: New Millennium Edition* and earlier editions; errors validated by Caltech will be corrected in future printings of the *New Millennium Edition* or in future editions.

Errors are listed in the order of their appearance in the book. Each listing consists of the errant text followed by a brief description of the error, followed by corrected text.

last updated: 12/19/2017 4:48

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Global changes:

spelling corrections

over-all -> overall

I:20, Fig 20-1, caption

Before: axis is horizontal; moment about vertical axis = 0. After: axis is vertical; momentum about vertical axis is still zero; man and chair spin in direction opposite to spin of the wheel.

Wrong word ('moment' vs. 'momentum')

Before: axis is horizontal; momentum about vertical axis = 0. After: axis is vertical; momentum about vertical axis is still zero; man and chair spin in direction opposite to spin of the wheel.

I:42-4, par 1

Therefore, we can easily see that the number that are coming off the surface per second is equal to the unknown reflection coefficient R times the number that would come down to the surface per second were the vapor still there, ...

Inaccurate statement (' $1-R$ ' vs. ' R ').

Therefore, we can easily see that the number that are coming off the surface per second is equal to one minus the unknown reflection coefficient R times the number that would come down to the surface per second were the vapor still there, ...

I:42-4, Eq 42.5

$$N_e = nvR = (vR/V_a)e^{-W/KT}. \quad (42.5)$$

Inaccurate equation (' $1-R$ ' vs. ' R ', see correction for I:42-4, par 1, above)

$$N_e = nv(1-R) = (v(1-R)/V_a)e^{-W/KT}. \quad (42.5)$$

I:44-9, Fig 44-9

For consistency with the rest of the lecture the lower "arbitrary standard" temperature should be 1° , and not (specifically) 1°K . Feynman never mentioned the Kelvin scale in this lecture.

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