Errata for
The Feynman Lectures on Physics Volume III
New Millennium Edition (1st printing)

The errors in this list appear in the 1st printing of *The Feynman Lectures on Physics: New Millennium Edition* (2011) and earlier printings and editions; these errors have been corrected in the 2nd hardback printing (and in the 1st paperback printing) of the *New Millennium Edition* (2011).

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: 8/28/2011 11:16 AM

III:1-1, par 4

The gradual accumulation of information about atomic and small-scale behavior during the first quarter of this century, …

Outdated reference ('this century' vs. 'the 20th century').

The gradual accumulation of information about atomic and small-scale behavior during the first quarter of the 20th century, …

III:8-14, par 2

These are the two frequencies—$(E_0 + A)/\hbar$ and $(E_0 - A)/\hbar$—for when they are oscillating together, or oscillating opposite.

For coupled pendulums, the lower energy corresponds to the in-phase oscillation and the higher energy to the opposite oscillation (see Vol I, Sec 49-4).
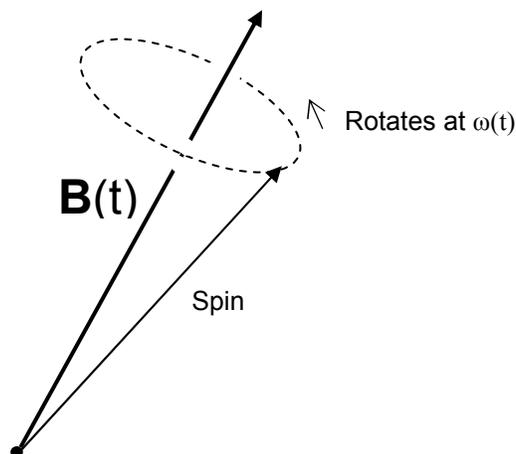
These are the two frequencies—$(E_0 - A)/\hbar$ and $(E_0 + A)/\hbar$—for when they are oscillating together, or oscillating opposite.

III:9-9, Fig 9-4

The arrow labeled E^2 should be labeled ∇E^2.

III:10-17, Fig 10-11

Matt Sands, who orginally drew this figure, wrote of it recently that it "is not comprehensible to me. So I have resorted to imagination, and come up with a figure that would illuminate the text, and, incidentally, also fits with the existing caption. I think that it would enhance the accompanying text."   – correction submitted by Matthew Sands.
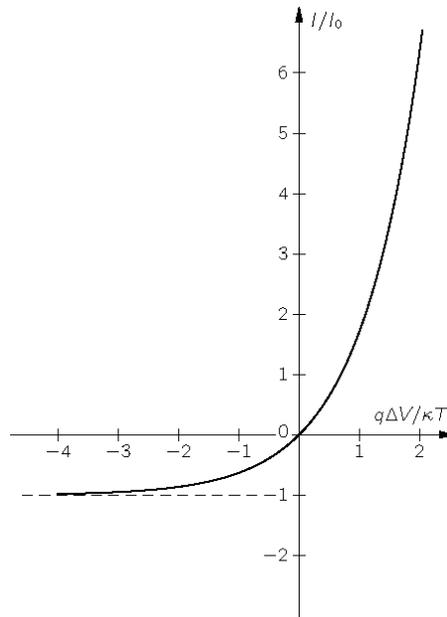
III:11-10, Fig 11-3

The label "AXIS OF POLARIZER" hangs out by itself. It should have a small arrow pointing to the axis of the first polarizer (which is the solid arrow drawn on the first polarizer at angle theta to the x-axis of the second polarizer). – correction submitted by Matthew Sands.

III:12-8, Fig 12-2

Missing absolute value sign: The label " $\Delta E = \hbar\omega$ " should be " $\left|\Delta E\right| = \hbar\omega$ " – correction submitted by Matthew Sands.

III:14-11, Fig 14-10

The ordinate in this graph is the dimensionless quantity I/I_0 . In order to have a dimensionless quantity along the abscissa as well, it should be $q\Delta V/\kappa T$ instead of $\Delta V/\kappa T$. This allows a scale to be drawn on the abscissa, which improves the figure by adding information:

III:19-9, Fig 19-5

The label "PROBABILITY" hangs out by itself. It should have a small arrow pointing to the arrow inside the curve – correction submitted by Matthew Sands.