Errata for
The Feynman Lectures on Physics Volume II
New Millennium (3rd printing)

The errors in this list appear in the 3rd printing of The Feynman Lectures on Physics: New Millennium Edition (2011) and earlier printings and editions; these errors have been corrected in the 4th hardback printing of the New Millennium Edition (2011).

Global change: coulomb->Coulomb

Coulomb, wherever used as a proper name (and not a unit of charge) should be capitalized, as in the following cases, where it is currently not capitalized:
5-5 "the coulomb force"

Global change: ac/dc->AC/DC

The abbreviations for alternating and direct current should be AC/DC (small caps) throughout.

II:7-8, par 1

We turn to another phenomenon in which the locations of charges is governed by a potential that arises in part from the same charges.

Grammatical error ('charges is' vs 'charges are')

We turn to another phenomenon in which the locations of charges are governed by a potential that arises in part from the same charges.

II:17-14, par 2

This, however, will not work, because in integrating around the two coils, the denominator \( r_{12} \) of the integrand will go to zero when the two line elements are at the same point.

Confusing wording: Here we are not integrating around "two coils," but rather, doubly-integrating around one coil. (It is also not what Feynman said.)

This, however, will not work, because the denominator \( r_{12} \) of the integrand will go to zero when the two line elements \( ds_1 \) and \( ds_2 \) are at the same point on the coil.

II:39-5, Eq 39.19

\[
C_{xxx} = C_{xxy} + C_{xyy} \tag{39.19}
\]

This equation for the tensor of elasticity of an isotropic material is incorrect. See, for example, http://en.wikiversity.org/wiki/Introduction_to_Elasticity/Constitutive_relations#Isotropic_materials.

\[
C_{xxx} = C_{xxy} + 2C_{xyy} \tag{39.19}
\]

II:39-6, Eqs 39.21 (2\textsuperscript{nd} Eq)
\[ C_{\alpha\beta\gamma\delta} = 2\mu, \quad (39.21) \]

This equation for the tensor of elasticity of an isotropic material is incorrect. See, for example, http://en.wikiversity.org/wiki/Introduction_to_Elasticity/Constitutive_relations#Isotropic_materials.

\[ C_{\alpha\beta\gamma\delta} = \mu, \quad (39.21) \]

**II:39-6, Eqs 39.22 (3rd Eq)**

\[ C_{\alpha\beta\gamma\delta} = \frac{Y}{1 + \sigma}. \quad (39.22) \]

This equation for the tensor of elasticity of an isotropic material is incorrect. See, for example, http://en.wikiversity.org/wiki/Introduction_to_Elasticity/Constitutive_relations#Isotropic_materials.

\[ C_{\alpha\beta\gamma\delta} = \frac{Y}{2(1 + \sigma)}. \]