Correction


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The authors wish to make the following corrections to the published paper [1].

There is a misprint in Equation (13), which expresses the mutual inductance $M$ between two coils. The term $2d_1d_2$ is incorrect and should be replaced with $\mu_0d_1d_2$, where $\mu_0$ is the permeability of vacuum.

In summary, on page 6, Equation (13) should be changed from

$$M = \frac{2d_1d_2}{4nR\sqrt{d_1^2 + d_2^2 + h^2 + \delta^2}} \int_{\theta_1=0}^{2\pi} \int_{\theta_2=0}^{2\pi} \cos(\theta_1 - \theta_2) \times [1 - (\alpha \cos(\theta_1 - \theta_2) + \beta \cos \theta_1 - \delta \cos \theta_2)] - 1/2d\theta_1d\theta_2$$

(1)

to the following correct version:

$$M = \frac{\mu_0d_1d_2}{4nR\sqrt{d_1^2 + d_2^2 + h^2 + \delta^2}} \int_{\theta_1=0}^{2\pi} \int_{\theta_2=0}^{2\pi} \cos(\theta_1 - \theta_2) \times [1 - (\alpha \cos(\theta_1 - \theta_2) + \beta \cos \theta_1 - \delta \cos \theta_2)] - 1/2d\theta_1d\theta_2$$

(2)

There is a misprint in Equation (14), which expresses the mutual inductance $M$ between two coils. The term $2d_1d_2$ is incorrect and should be replaced with $\mu_0d_1d_2$, where $\mu_0$ is the permeability of vacuum.

In summary, on page 6, Equation (14) should be changed from

$$M = \frac{2d_1d_2}{4nR\sqrt{d_1^2 + d_2^2 + h^2 + \delta^2}} \int_{\theta_2=0}^{2\pi} \int_{\theta_1=0}^{2\pi} \cos(\theta_1 - \theta_2)[1 - \alpha \cos(\theta_1 - \theta_2)] - 1/2d\theta_1d\theta_2$$

(3)

to the following correct version:

$$M = \frac{\mu_0d_1d_2}{4nR\sqrt{d_1^2 + d_2^2 + h^2 + \delta^2}} \int_{\theta_2=0}^{2\pi} \int_{\theta_1=0}^{2\pi} \cos(\theta_1 - \theta_2)[1 - \alpha \cos(\theta_1 - \theta_2)] - 1/2d\theta_1d\theta_2$$

(4)

There is a misprint in Equation (16), which expresses the mutual inductance $M$ between two coils. The term $2d_1d_2$ is incorrect and should be replaced with $\mu_0d_1d_2$, where $\mu_0$ is the permeability of vacuum.

In summary, on page 6, Equation (16) should be changed from

$$M = \frac{2d_1d_2}{4R\sqrt{d_1^2 + d_2^2 + h^2 + \delta^2}} \int_{\theta_2=0}^{2\pi} \int_{\theta_1=0}^{2\pi} \cos(\theta_1 - \theta_2) \times [1 - (\alpha \cos(\theta_1 - \theta_2) + \beta \cos \theta_1 - \delta \cos \theta_2)] - 1/2d\theta_1d\theta_2$$

(5)
The change does not affect the scientific results. The manuscript will be updated and the original will remain online on the article webpage, with a reference to this Correction.

Conflicts of Interest: The authors declare no conflict of interest.

References