Correction

Correction: Cooray *et al.* The Deep Physics Hidden within the Field Expressions of the Radiation Fields of Lightning Return Strokes. *Atmosphere*, 2016, 7, 21.

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The authors would like to correct the published article [1] as follows. Equations (14)–(17) are valid when $\cos\theta = 0$. For the general case, the Equations should read:

$$E_{rad} = \frac{\sin\theta}{4\pi\varepsilon_o cr}\frac{I_0}{[1-\cos\theta]}\left(\sin\frac{\pi c}{l}(t-r/c)\right)\mathbf{a_\theta} \text{ with } \delta' = l(1-\cos\theta)/c \text{ for } r/c < t < r/c + \delta' \quad (14)$$

$$E_{rad} = \frac{\sin\theta}{4\pi\varepsilon_o cr}\frac{I_0}{[1-\cos\theta]}\left(\sin\frac{\pi c}{l}(t-r/c) - \sin\frac{\pi c}{l}(t-r/c-\delta')\right)\mathbf{a_\theta} \text{ for } t > r/c + \delta' \quad (15)$$

$$\mathbf{S}(\theta,t) = \frac{i(t-r/c)^2 u^2\sin^2\theta}{(4\pi)^2\,\varepsilon_0 c^3 r^2}\frac{1}{\left[1-\dfrac{u}{c}\cos\theta\right]^2}\mathbf{a_r} \text{ with } \delta'' = l/u - l\cos\theta/c \text{ for } r/c < t < r/c + \delta'' \quad (16)$$

$$\mathbf{S}(\theta,t) = \frac{u^2\sin^2\theta}{(4\pi)^2\,\varepsilon_0 c^3 r^2}\frac{[i(t-r/c) - i(t-r/c-\delta'')]^2}{\left[1-\dfrac{u}{c}\cos\theta\right]^2}\mathbf{a_r} \text{ for } t > r/c + \delta'' \quad (17)$$

Note that with respect to the geometry given in Figure 3 of the paper, the time is shifted by an amount equal to $l\cos\theta/2c$. The authors would like to apologize for any inconvenience this may have caused to the readers.

Reference

1. Cooray, V.; Cooray, G. The deep physics hidden within the field expressions of the radiation fields of lightning return strokes. *Atmosphere* **2016**, *7*. [CrossRef]