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Corrigendum

Corrigendum to "Study of Two-Sided Similarity Methods Using a Radiation "Switch on" Imploding Shock in a Magnetic Field"

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In the article titled "Study of Two-Sided Similarity Methods Using a Radiation "Switch on" Imploding Shock in a Magnetic Field" [1], there were errors in the equation formatting that should be corrected as follows.

The left hand side of equation (4) is the standard negative cylindrical divergence of the magnetic field gradient and should have been presented as indicated

$$\left[\frac{-1}{r}\right]\partial_r\left(r\partial_r B\right) = \mu\sigma\left[-\partial_t B - B\left(\partial_r v + \frac{v}{r}\right) - v\partial_r B\right] \quad (4)$$

Equations labeled (5) are three separate standard equations and should have been presented with semicolons and spaces so they appear as distinct equations as indicated.

$$\begin{aligned} &\nabla XE = -\partial_t B; \\ &\nabla XB = \mu j; \quad j = \sigma\left(E + vXB\right) \end{aligned} \quad (5)$$

References

[1] J. R. A. J. NiCastro, "Study of two-sided similarity methods using a radiation "switch on" imploding shock in a magnetic field," *Journal of Applied Mathematics*, vol. 2018, Article ID 9701268, 14 pages, 2018.