



Corrigendum to “Detection of geomagnetically induced currents on single phases in power grids using a fiber optic current sensor system” published in J. Sens. Sens. Syst., 15, 1–8, 2026

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Two mistakes were found in the above mentioned paper that were already present during the submission of the article.

On page 2, Eq. (2) should read:

$$\phi = \arctan \left[\frac{J_2(\Delta\phi_0) U(\omega_m)}{J_1(\Delta\phi_0) U(2\omega_m)} \right] \quad (2)$$

There was a bracket missing after “ $2\omega_m$ ” in the denominator.

Furthermore, Eq. (8) on page 4 needs to be corrected to the following:

$$I_{NE}^{(in)} = \frac{1}{4VN} \sqrt{\frac{1}{\Delta v_e} \Delta f} = 0.1289A \quad (8)$$

There was a mistake in the description of Eq. (8), which would lead to different results if a reader used it for calculations. The numerical values given in Eqs. (6)–(8) are correct.