

**Erratum: Linear and nonlinear magnetic error measurements using action
and phase jump analysis
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Some typographical errors have been detected in several equations in our paper by Blanco. The first error appears in Eq. (10): We missed root square symbols for terms $2J_0$. The equation should read

$$\tan \delta_1 = \frac{\theta_z \sqrt{\beta_z(s_\theta)} \sin[\psi_z(s_\theta)] + \sqrt{2J_0} \sin \delta_0}{\theta_z \sqrt{\beta_z(s_\theta)} \cos[\psi_z(s_\theta)] + \sqrt{2J_0} \cos \delta_0}. \quad (1)$$

The second error appears in Eqs. (13) and (14): We missed square root symbols for terms β_{z_i} and $\beta_{z_{i+1}}$. The equation should read

$$J_{i+1} = \frac{(z_i/\sqrt{\beta_{z_i}})^2 + (z_{i+1}/\sqrt{\beta_{z_{i+1}}})^2}{2\sin^2(\psi_{z_{i+1}} - \psi_{z_i})} - \frac{z_i z_{i+1} \cos(\psi_{z_{i+1}} - \psi_{z_i})}{\sqrt{\beta_{z_i} \beta_{z_{i+1}}} \sin^2(\psi_{z_{i+1}} - \psi_{z_i})}, \quad (2)$$

and

$$\tan \delta_{i+1} = \frac{(z_i/\sqrt{\beta_{z_i}}) \sin \psi_{z_{i+1}} - (z_{i+1}/\sqrt{\beta_{z_{i+1}}}) \sin \psi_{z_i}}{(z_i/\sqrt{\beta_{z_i}}) \cos \psi_{z_{i+1}} - (z_{i+1}/\sqrt{\beta_{z_{i+1}}}) \cos \psi_{z_i}}. \quad (3)$$

The third error appears in Eq. (24c): We missed m in the first term of the equation. It should read

$$C_{2x} = 2A_2 m - B_2 + m^2 B_2, \quad (4)$$

The fourth error appears in Eq. (25d): There is a sign error in the numerator. The equation should read

$$B_2 = -\frac{C_{2x} - 2C_{2y}m - C_{2x}m^2}{1 + 2m^2 + m^4}, \quad (5)$$

We used the correct equations in our codes, therefore the results and conclusions of the article are unchanged. We apologize for the mistakes.

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