Correction

Correction to: Two Magnetic Sensor Based Real-Time Tracking of Magnetically Inflate Swallowable Intra-gastric Balloon

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This Erratum is to correct equations 6, 7, 8, and 9.

$$\begin{aligned} R_{Iz} &= [z_{\text{top}}, z_{\text{top}} + v_{\text{max}}\Delta t] \in [z_{\text{top}}, z_0] \\ R_{Ip} &= [0, \theta_{p,\text{max}}] \end{aligned} \quad (6)$$

$$\begin{aligned} R_{Iz} &= [z_k - z_{\text{unc}}, z_k + v_{\text{max}}\Delta t + z_{\text{unc}}] \in [z_0, z_{EGJ} - d) \\ R_{Ip} &= [\theta_{p,k} - \phi_{R1} - \theta_{p,\text{unc}}, \theta_{p,k} + \phi_{R1} + \theta_{p,\text{unc}}] \in [0, \theta_{p,\text{max}}] \end{aligned} \quad (7)$$

$$\begin{aligned} R_{Iz} &= \left[z_k - z_{\text{unc}}, z_k + \dot{z}_k\Delta t + \frac{1}{2}g\Delta t^2 + z_{\text{unc}} \right] \in [z_{EGJ} - d, z_{\text{bottom}}] \\ R_{Ip} &= [\theta_{p,k} - \phi_{R2} - \theta_{p,\text{unc}}, \theta_{p,k} + \phi_{R2} + \theta_{p,\text{unc}}] \in [0, \pi] \end{aligned} \quad (8)$$

$$\begin{aligned} B_{\text{thresh},k+1} &= B_{\text{thresh},k} + K_{p,k}(z)e_{j,k} + K_{d,k} \frac{de_{j,k}}{dt} \\ K_{p,k}(z) &= \alpha(z)|B_{\text{sensor},k}| \\ K_{d,k} &= \beta|B_{\text{sensor},k}| \\ e_{j,k} &= n_{\text{target}} - n_{j,k} \\ \frac{de_{j,k}}{dt} &= \frac{e_{j,k} - e_{j,k-1}}{t_k - t_{k-1}} \end{aligned} \quad (9)$$

The original article has been corrected.

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