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ERRATUM

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Erratum to: New results of positive solutions for the Sturm-Liouville problem

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Unfortunately, the original version of this article [1] contained an error. At the top of page 14, $\underline{w}$ in the following expression should be replaced by ω, that is,

$$
p(t)z_*'(t) = \frac{\mu_1(L_\psi^{(n_0)})}{\Gamma}
\begin{cases}
\alpha \int_{\frac{1}{n_0}}^{1-\frac{1}{n_0}} \underline{w}_1(s)\psi(s)z_*(s)\,ds \\
-\gamma \int_{\frac{1}{n_0}}^{t} \underline{w}_0(s)\psi(s)z_*(s)\,ds, & 0 \le t < 1/n_0, \\
+\alpha \int_{t}^{1-\frac{1}{n_0}} \underline{w}_1(s)\psi(s)z_*(s)\,ds, & 1/n_0 \le t \le 1 - 1/n_0, \\
-\gamma \int_{\frac{1}{n_0}}^{1-\frac{1}{n_0}} \underline{w}_0(s)\psi(s)z_*(s)\,ds, & 1 - 1/n_0 < t \le 1,
\end{cases}
$$

should be

$$
p(t)z_*'(t) = \frac{\mu_1(L_\psi^{(n_0)})}{\Gamma}
\begin{cases}
\alpha \int_{\frac{1}{n_0}}^{1-\frac{1}{n_0}} \omega_1(s)\psi(s)z_*(s)\,ds, & 0 \le t < 1/n_0, \\
-\gamma \int_{\frac{1}{n_0}}^{t} \omega_0(s)\psi(s)z_*(s)\,ds \\
\quad + \alpha \int_{t}^{1-\frac{1}{n_0}} \omega_1(s)\psi(s)z_*(s)\,ds, & 1/n_0 \le t \le 1 - 1/n_0, \\
-\gamma \int_{\frac{1}{n_0}}^{1-\frac{1}{n_0}} \omega_0(s)\psi(s)z_*(s)\,ds, & 1 - 1/n_0 < t \le 1.
\end{cases}
$$

We would like to apologize for this error and for any inconvenience this may have caused.

References
1. Yang, GC, Feng, HB: New results of positive solutions for the Sturm-Liouville problem. Bound. Value Probl. **2016**, 64 (2016). doi:10.1186/s13661-016-0571-1