Corrigendum : Mechanism of selforganization in point vortex system (2015 Fluid Dyn. Res. 47 065506)

Corrigendum: Mechanism of selforganization in point vortex system (2015 Fluid Dyn. Res. 47 065506)

Yuichi Yatsuyanagi[1]‡ **and Tadatsugu Hatori**[2]

[1]Faculty of Education, Shizuoka University, Suruga-ku, Shizuoka 422-8529, JAPAN
[2]National Institute for Fusion Science, Toki, Gifu 509-5292, JAPAN

‡ Corresponding author: yatsuyanagi.yuichi@shizuoka.ac.jp

Corrections to the typographical errors in the paper "Mechanism of self-organization in point vortex system" [Fluid Dyn. Res. **47** (2015) 065506] are made in this *corrigenda*. These corrections do not affect the results presented in section 3 as the calculations in the section were made with the correct formulae.

Typographical errors are found equations (27) and (28):

$$
\begin{aligned}
\mathbf{\Gamma}_s(\mathbf{r}) \;&= \mathbf{\Gamma}_{s+}(\mathbf{r}) + \mathbf{\Gamma}_{s-}(\mathbf{r}) \\
&= -K \int d\mathbf{r}' \frac{(\mathbf{u} - \mathbf{u}')(\mathbf{u} - \mathbf{u}') \cdot \nabla' \omega'}{|\mathbf{u} - \mathbf{u}'|^3} \\
&\quad \cdot \left[(\omega'_+ - \omega'_-)\nabla\omega - (\omega_+ - \omega_-)\nabla'\omega' \right],
\end{aligned}
\tag{27}
$$

$$
\mathbf{\Gamma}_{s\pm}(\mathbf{r}) \equiv -\mathsf{D}_s \cdot \nabla\omega_\pm \mp \mathbf{V}_s \omega_\pm.
\tag{28}
$$

The corrected forms of these equations are given by

$$
\begin{aligned}
\mathbf{\Gamma}_s(\mathbf{r}) \;&= \mathbf{\Gamma}_{s+}(\mathbf{r}) + \mathbf{\Gamma}_{s-}(\mathbf{r}) \\
&= -K \int d\mathbf{r}' \frac{(\mathbf{u} - \mathbf{u}')(\mathbf{u} - \mathbf{u}')}{|\mathbf{u} - \mathbf{u}'|^3} \\
&\quad \cdot \left[(\omega'_+ - \omega'_-)\nabla\omega - (\omega_+ - \omega_-)\nabla'\omega' \right],
\end{aligned}
\tag{27'}
$$

$$
\mathbf{\Gamma}_{s\pm}(\mathbf{r}) \equiv -\mathsf{D}_s \cdot \nabla\omega_\pm \pm \mathbf{V}_s \omega_\pm.
\tag{28'}
$$