

# Internal structure of vortex rings and helical vortices- corrigendum

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A typo unfortunately appeared into formula (4.17) defining  $R_m(\alpha)$  in Blanco-Rodríguez *et al.* (2015). It should be replaced by the corrected formula:

$$\begin{aligned}
 R_m(\alpha) &= \frac{\alpha(\alpha^2 + 1)^{3/2}}{2} + \frac{3}{16m} - \frac{(1 + \alpha^2)^3 m}{2\alpha^2} \\
 &- \frac{m^2(\alpha^2 + 1)^{5/2}}{\alpha^3} \left( -I_{m-1}\left(\frac{m}{\alpha}\right) + \alpha I_m\left(\frac{m}{\alpha}\right) \right) \left( K_{m-1}\left(\frac{m}{\alpha}\right) + \alpha K_m\left(\frac{m}{\alpha}\right) \right) \quad (4.17) \\
 &- m(\alpha^2 + 1)^{3/2} I_m\left(\frac{m}{\alpha}\right) \left( K_{m-1}\left(\frac{m}{\alpha}\right) + \alpha K_m\left(\frac{m}{\alpha}\right) \right).
 \end{aligned}$$

In this corrected version, the sign of the terms on the second and third lines has been changed.

This typo does not affect the figures of this paper, as they have been plotted using the correct formula.

## REFERENCES

- BLANCO-RODRÍGUEZ, F. J., LE DIZÈS, S., SELÇUK, C., DELBENDE, I. & ROSSI, M. 2015 Internal structure of vortex rings and helical vortices. *J. Fluid Mech.* **785**, 219–247.