



Corrigendum

Corrigendum to “A note on higher-order perturbative corrections to squirming speed in weakly viscoelastic fluids” [J. Non-Newton. Fluid Mech. 270 (2019) 51–55]

Charu Datt^{a,b,*}, Gwynn J. Elfring^a^a Department of Mechanical Engineering, Institute of Applied Mathematics, University of British Columbia, Vancouver, BC, V6T 1Z4, Canada^b Physics of Fluids Group, Faculty of Science and Technology, University of Twente, P.O. Box 217, 7500 AE Enschede, The Netherlands

The $\mathcal{O}(De^3)$ correction to the swimming speed in a Giesekus fluid (equation 3.3) in the aforementioned article was reported incorrectly. The corrected equation is

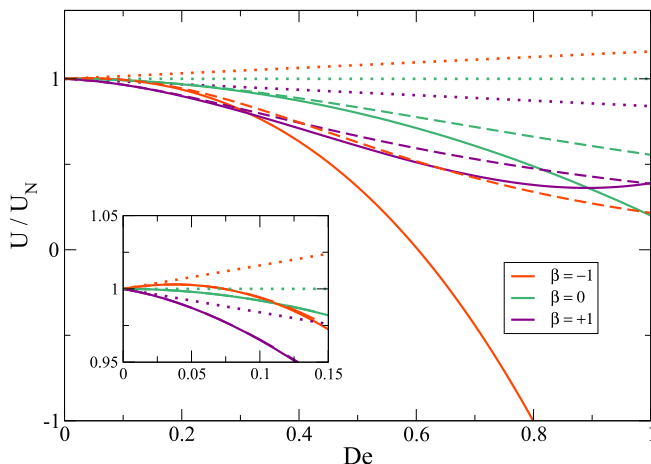
$$U = \frac{2}{3} + \frac{2}{15}\beta(-1 + \alpha_m)De + \frac{\beta^2(-20568 - 98136\alpha_m + 65266\alpha_m^2) + 84(-193 + 176\alpha_m(-3 + 2\alpha_m))}{45045}De^2 \\ + \frac{\beta}{482431950} \left(170(3005646 + \alpha_m(-2333526 + \alpha_m(-18957049 + 12534129\alpha_m))) \right. \\ \left. + \beta^2(224764987 + \alpha_m(510170129 + 9\alpha_m(-417311191 + 251990707\alpha_m))) \right) De^3.$$

Subsequently, equations 3.4 and 3.5 in the article should respectively be

$$\frac{U}{U_N} = 1 + 0.16De - 2.05De^2 - 1.60De^3,$$

$$\frac{U}{U_N} = 1 - 0.16De - 2.05De^2 + 1.60De^3.$$

The coefficient of De^3 in these two equations was previously reported as -2.62 and $+2.62$, respectively. These changes will also reflect in figure 1 of the original manuscript which on correction becomes



The error does not change the message and conclusion of the article. We regret any inconvenience this may have caused. We thank Professor Kostas D. Housiadas for pointing out the error.

DOI of original article: [10.1016/j.jnnfm.2019.06.009](https://doi.org/10.1016/j.jnnfm.2019.06.009)

* Corresponding author.

E-mail addresses: charudatt@alumni.ubc.ca, c.datt@utwente.nl (C. Datt).

<https://doi.org/10.1016/j.jnnfm.2019.104224>

Received 15 October 2019; Accepted 11 December 2019

0377-0257/© 2019 Elsevier B.V. All rights reserved.