

CORRIGENDUM

Lift force on a spherical droplet in a viscous linear shear flow – CORRIGENDUM

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Due to an oversight on the authors' part, the coefficient b_4 in (3.9a–e) of Shi, Climent & Legendre (2024) was incorrectly typeset: it should be -0.52 rather than -5.2 .

Additionally, we have found that the sets of coefficients (a_n and b_n) given in (3.8) and (3.9) were overly rounded. For terms with $n \geq 3$, it is necessary to retain at least two significant digits to maintain accuracy. Therefore, instead of the rounded values published in the paper, the following corrected coefficients should be used:

$$a_0 = +0.99, \quad a_1 = -2.21, \quad a_2 = +3.08, \quad a_3 = -1.75, \quad a_4 = +0.33; \quad (3.8a-e)$$

$$b_0 = -0.47, \quad b_1 = +3.92, \quad b_2 = -5.29, \quad b_3 = +2.86, \quad b_4 = -0.52. \quad (3.9a-e)$$

The fitted curves shown in panel (c) of figures 4 and 5 in the paper are not affected by this error, as they were generated using the correct a_n and b_n values.

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REFERENCE

SHI, P., CLIMENT, É. & LEGENDRE, D. 2024 Lift force on a spherical droplet in a viscous linear shear flow. *J. Fluid Mech.* **1000**, A88.