Journal of Computational Physics 435 (2021) 110302

Contents lists available at ScienceDirect

Journal of Computational Physics

www.elsevier.com/locate/jcp

Corrigendum

Corrigendum to "A staggered overset grid method for resolved simulation of incompressible flow around moving spheres" [J. Comput. Phys. 333 (2017) 269-296]

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ARTICLE INFO

Article history:
Available online 31 March 2021

The author regrets that typographical errors occurred in the paper. Two of the equations that specified the exact solution for Stokes flow due to an oscillating sphere, equations (53) and (56), should read:

$$\mathbf{u}_{ex}(\mathbf{x},t) = \Re\Big(\frac{ie^{-i\omega t}B}{8\pi\nu}\Big[\Big(2e^{-R}(1+\frac{1}{R}+\frac{1}{R^2})-\frac{2}{R^2}\Big)\frac{\mathbf{V}}{r}+\Big(\frac{6}{R^2}-2e^{-R}(1+\frac{3}{R}+\frac{3}{R^2})\Big)\frac{\mathbf{V}\cdot\mathbf{r}}{r^3}\mathbf{r}\Big]\Big)+ \Re\Big(\frac{ie^{-i\omega t}Q}{4\pi}\Big[-e^{-R}(1+R+R^2)\frac{\mathbf{V}}{r^3}+3e^{-R}(1+R+\frac{R^2}{3})\frac{\mathbf{V}\cdot\mathbf{r}}{r^5}\mathbf{r}\Big]\Big), \tag{53}$$

$$B = 6\pi\nu r_0(1+\lambda+\lambda^2/3), \qquad Q = -6\pi r_0^3(e^{\lambda}-1-\lambda-\lambda^2/3)/\lambda^2, \qquad R = \frac{\lambda r}{r_0}. \tag{56}$$

Furthermore, the parabolic velocity profile defined in section 5.2 (page 288, second last line) should be multiplied by 1.5. The typographical errors did not affect any numerical result or conclusion, because the correct equations were used in the computer programs.

DOI of original article: https://doi.org/10.1016/j.jcp.2016.12.027.
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https://doi.org/10.1016/j.jcp.2021.110302