



**Erratum: “Finite amplitude vibrations of a sharp-edged beam immersed in a viscous fluid near a solid surface” [J. Appl. Phys. 112, 104907 (2012)]**

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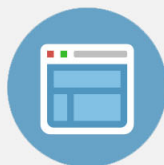
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## Erratum: “Finite amplitude vibrations of a sharp-edged beam immersed in a viscous fluid near a solid surface” [J. Appl. Phys. **112**, 104907 (2012)]

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Figure 13 should be replaced with Figure 1 in this erratum. Due to an unfortunate typo in the code used to depict the hydrodynamic function  $\Gamma(\beta, \gamma)$  in Ref. 1, the dashed line in Figure 13 was calculated in the case  $\gamma = 0.15$  and not for  $\gamma = 0.3$ .

None of the claims of the paper<sup>3</sup> are affected by this correction. The semianalytical results for the hydrodynamic functions in Eq. (7), Ref. 1, and Ref. 2 are all in very good agreement with numerical results of unsteady Stokes hydrodynamics.

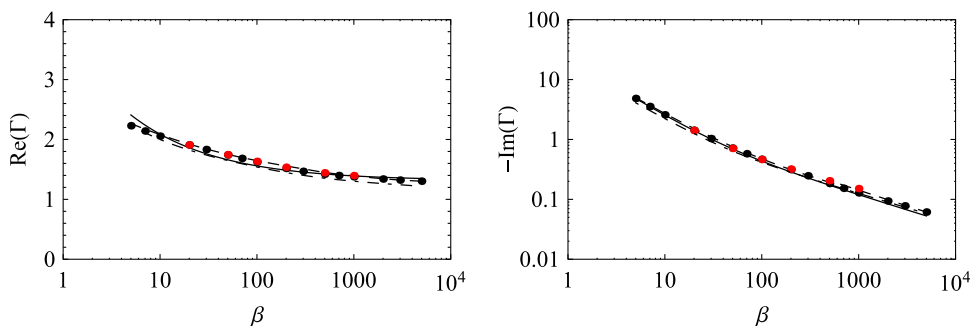


FIG. 1. Computational and semianalytical results for  $\Gamma(\beta, 0.3)$ : Eq. (7) (solid lines), Ref. 1 (dashed lines), Ref. 2 (dashed-dotted lines), numerical results from boundary integral formulation (black markers), and CFD findings (red markers).

<sup>1</sup>R. C. Tung, A. Jana, and A. Raman, *J. Appl. Phys.* **104**, 114905 (2008).

<sup>2</sup>C. P. Green and J. E. Sader, *J. Appl. Phys.* **98**, 114913 (2005).

<sup>3</sup>E. Grimaldi, M. Porfiri, and L. Soria, *J. Appl. Phys.* **112**, 104907 (2012).

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