Erratum: Scaling laws of top jet drop size and speed from bubble bursting including gravity and inviscid limit [Phys. Rev. Fluids 3, 091601(R) (2018)]

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(Received 13 November 2018; published 12 December 2018)

DOI: [10.1103/PhysRevFluids.3.129901](https://doi.org/10.1103/PhysRevFluids.3.129901)

Equation (16) in the original paper should read

$$\rho V^2 \sim \mu V_L/L + \text{Oh}_2 \rho V_o^2 - k_{\text{Bo},2} \rho g R_o. \quad (16)$$

In addition, Eq. (17) should be written as

$$\frac{V}{V_\mu} \sim \frac{(\text{Oh} + \text{Oh}_2 - k_{\text{Bo},2} \text{Bo})^{1/2}}{\text{Oh}^{-1}(\text{Oh}_1 - \text{Oh} + k'_{\text{Bo},1} \text{Bo})^{3/4}} \equiv \varphi_V. \quad (17)$$

The typographical errors detected do not affect the analysis, the constants, or the graphs disclosed.

Besides, Eq. (9) in our paper should be written as

$$\rho V^2 \sim \mu V_L/L + k_2 \rho V_o^2, \quad (9)$$

where the constant k_2 will be proportional to the final critical Ohnesorge number Oh_2 sought for. Hence, although Eq. (10) in the original paper is asymptotically correct, one formally obtains

$$\frac{V}{V_\mu} \sim \left[1 + \frac{k_2}{\text{Oh}} \left(\frac{V R}{V_o R_o} \right)^3 \right]^{1/5} \left(\frac{R}{l_\mu} \right)^{-3/5}. \quad (10)$$

For $\text{Oh} \ll \text{Oh}_1$ (i.e., the low viscosity and asymptotically inviscid cases), the product $(\frac{V R}{V_o R_o})^3$ is asymptotically equal to a constant that we define as Oh_2/k_2 , recovering Eq. (10) in our paper. In other words, as far as one considers factors on the order of $\frac{\text{Oh}_2}{\text{Oh}}$, one should neglect factors on the order of $\frac{\text{Oh}}{\text{Oh}_1}$, which recovers expression (10) and vice versa, i.e., retaining factors, such as $\frac{\text{Oh}}{\text{Oh}_1}$ leads to neglect factors on the order of $\frac{\text{Oh}_2}{\text{Oh}}$, and one would recover the expressions (7) in our original paper as originally proposed in Ref. [1]. To summarize, the relevant equations (13) and the correct form of (17) given above provide the correct scaling of the ejected droplet size and its velocity as it passes through the level of the free surface.

This work was supported by the Ministerio de Economía y Competitividad, Plan Estatal 2013-2016 Retos, Project No. DPI2016-78887-C3-1-R.

[1] A. M. Gañán-Calvo, Revision of Bubble Bursting: Universal Scaling Laws of Top Jet Drop Size and Speed, *Phys. Rev. Lett.* **119**, 204502 (2017).