

Erratum: “Symmetric and Asymmetric Disturbances in the Rayleigh Zone of an Air-Assisted Liquid Sheet: Theoretical and Experimental Analysis,” ASME J. Fluid Eng., 2020, 142(7), p. 071302, DOI: [10.1115/1.4045998](https://doi.org/10.1115/1.4045998)

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An error occurs on Page 071302–3. The independent variable associated with the derivative of Φ_1 and Φ_2 in Eqs. (6) and (7) is not described correctly.

The right expressions for Eqs. (6) and (7) are

$$-\left(U_1 + \frac{\partial \Phi_1}{\partial x}\right) \frac{\partial \eta}{\partial x} + \frac{\partial \Phi_1}{\partial z} = \frac{\partial \eta}{\partial t} = -\left(U_2 + \frac{\partial \Phi_2}{\partial x}\right) \frac{\partial \eta}{\partial x} + \frac{\partial \Phi_2}{\partial z}$$

on $z = \eta$ (6)

$$-(U_1) \frac{\partial \eta}{\partial x} + \frac{\partial \Phi_1}{\partial z} = \frac{\partial \eta}{\partial t} = -(U_2) \frac{\partial \eta}{\partial x} + \frac{\partial \Phi_2}{\partial z} \quad \text{on } z = 0 \quad (7)$$