

CORRIGENDUM

Direct numerical simulation of gaseous mixing layers laden with multicomponent-liquid drops: liquid-specific effects

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The reader should be aware of the following typographical errors in equation (2.6):

1. The second component of vector $\Psi(\Phi)$ is $-p\delta_{ij} + \tau_{ij}$, not $p\delta_{ij} - \tau_{ij}$.
2. The third component of vector $\Psi(\Phi)$ is $-pu_j + u_i\tau_{ij} + \lambda \frac{\partial T}{\partial x_j} - \sum_{\zeta=1}^N J_{D\zeta,j}(h_\zeta - h_a)$ not $-u_i\tau_{ij} - \lambda \frac{\partial T}{\partial x_j} + \sum_{\zeta=1}^N J_{D\zeta,j}(h_\zeta - h_a)$.

Thus, the correct equation reads

$$\begin{aligned}\Psi(\Phi) = & \left\{ cm\mathcal{D} \frac{\partial}{\partial x_j} \left[\frac{X_v}{m} \left(1 - \frac{\theta_v}{m_a} \right) \right], -p\delta_{ij} + \tau_{ij}, -pu_j + u_i\tau_{ij} + \lambda \frac{\partial T}{\partial x_j} \right. \\ & - \sum_{\zeta=1}^N J_{D\zeta,j}(h_\zeta - h_a), cm\mathcal{D} \frac{\partial}{\partial x_j} \left(\frac{X_v}{m} \right), cm\mathcal{D} \frac{\partial}{\partial x_j} \left(\frac{X_v\theta_v}{m} \right), cm\mathcal{D} \frac{\partial}{\partial x_j} \left(\frac{X_v\psi_v}{m} \right), \\ & \left. cm\mathcal{D} \frac{\partial}{\partial x_j} \left(\frac{X_v\xi_{3v}}{m} \right), cm\mathcal{D} \frac{\partial}{\partial x_j} \left(\frac{X_v\xi_{4v}}{m} \right) \right\}.\end{aligned}$$

Also, the affiliation of the first author is Caltech, and of the second author is both JPL and Caltech.