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

$$\Psi(\Phi) = \left\{ cm\mathscr{D}\frac{\partial}{\partial x_j}\left[\frac{X_v}{m}\left(1 - \frac{\theta_v}{m_a}\right)\right], -p\delta_{ij} + \tau_{ij}, -pu_j + u_i\tau_{ij} + \lambda\frac{\partial T}{\partial x_j} \right.$$

$$- \sum_{\zeta=1}^{N} J_{D\zeta,j}(h_\zeta - h_a), cm\mathscr{D}\frac{\partial}{\partial x_j}\left(\frac{X_v}{m}\right), cm\mathscr{D}\frac{\partial}{\partial x_j}\left(\frac{X_v\theta_v}{m}\right), cm\mathscr{D}\frac{\partial}{\partial x_j}\left(\frac{X_v\psi_v}{m}\right),$$

$$\left. cm\mathscr{D}\frac{\partial}{\partial x_j}\left(\frac{X_v\xi_{3v}}{m}\right), cm\mathscr{D}\frac{\partial}{\partial x_j}\left(\frac{X_v\xi_{4v}}{m}\right) \right\}.$$

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