



Erratum

Corrigendum to “A lattice Boltzmann algorithm for fluid–solid conjugate heat transfer” [Int. J. Thermal Sci. 46 (3) (2007) 228–234]

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On page 230, Eq. (9) should read:

$$f_{\alpha}^{eq} = \omega_{\alpha} \rho_f \left[1 + 3 \frac{e_{\alpha} \cdot u}{c^2} + \frac{9(e_{\alpha} \cdot u)^2}{2c^4} - \frac{3u^2}{2c^2} \right] \quad (9)$$

On the same page, Eq. (17) should read:

$$\varpi_{\alpha} = \begin{cases} 2/3 & \alpha = 0 \\ 1/9 & \alpha = 1, 2, 3, 4 \\ 1/36 & \alpha = 5, 6, 7, 8 \end{cases} \quad (17)$$

On page 231, Eq. (25) should read:

$$T_0 = 3T_{wall} - 3T_p - 1.5\delta_t \frac{\dot{Q}_s}{\rho c_p}, \quad (25)$$

Eq. (28) should read

$$T_0 = 3T_p - \frac{3\lambda}{\rho c_p} \frac{\tau_g}{c(\tau_g - 0.5)} \frac{dT}{dy}, \quad (28)$$

and Eq. (30) should read

$$T_0 = \frac{6T_{in} - 6T_p - 3\delta_t \frac{\dot{Q}_s}{\rho c_p}}{2 + 3\frac{u}{c} + 3\frac{u^2}{c^2}} \quad (30)$$

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