

Errata for Conference Paper DE-13-C034

Equation 2 reads:

$$T_{i,j,k} = \frac{T_{i+1,j,k} \left(R_K - \frac{Pr_t h \rho}{2\mu_{i,j,k}} U_{i,j,k} \right) + T_{i-1,j,k} \left(1 + \frac{Pr_t h \rho}{2\mu_{i,j,k}} U_{i,j,k} \right) + T_{i,j+1,k} \left(1 - \frac{Pr_t h \rho}{2\mu_{i,j,k}} V_{i,j,k} \right) + T_{i,j-1,k} \left(1 + \frac{Pr_t h \rho}{2\mu_{i,j,k}} V_{i,j,k} \right) + T_{i,j,k+1} \left(1 - \frac{Pr_t h \rho}{2\mu_{i,j,k}} W_{i,j,k} \right) + T_{i,j,k-1} \left(1 - \frac{Pr_t h \rho}{2\mu_{i,j,k}} W_{i,j,k} \right)}{5 + R_K}$$

where :

$$R_K = \frac{Pr_t \mu_o Y_{i,j,k}^+}{\mu_{i,j,k} + \mu_o} \quad \text{for } Y^+ > 12 \quad (R_K = 1 \quad \text{for } y^+ \leq 12)$$

Equation 2 should read:

$$T_{i,j,k} = \frac{T_{i+1,j,k} \left(R_K - \frac{Pr_t h \rho}{2\mu_{i,j,k}} U_{i,j,k} \right) + T_{i-1,j,k} \left(1 + \frac{Pr_t h \rho}{2\mu_{i,j,k}} U_{i,j,k} \right) + T_{i,j+1,k} \left(1 - \frac{Pr_t h \rho}{2\mu_{i,j,k}} V_{i,j,k} \right) + T_{i,j-1,k} \left(1 + \frac{Pr_t h \rho}{2\mu_{i,j,k}} V_{i,j,k} \right) + T_{i,j,k+1} \left(1 - \frac{Pr_t h \rho}{2\mu_{i,j,k}} W_{i,j,k} \right) + T_{i,j,k-1} \left(1 - \frac{Pr_t h \rho}{2\mu_{i,j,k}} W_{i,j,k} \right)}{5 + R_K}$$

where :

$$R_K = \frac{Pr_t \mu_o Y_{i,j,k}^+}{(\mu_{i,j,k} + \mu_o) Pr (4.18 \ln(9.81 Y_{i,j,k}^+ + 12.24))} \quad \text{for } Y^+ > 12 \quad (R_K = 1 \quad \text{for } y^+ \leq 12)$$