



Erratum

Erratum to “On the isothermal binary mass transport in a single pore” [Chem. Eng. J. 83 (2001) 107–121]

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The publisher regrets that in the above article a number of errors occurred which have been corrected and listed below.

1. There is an error in the second term between brackets of Eq. (25). This should read:

$$\begin{aligned} u_1 &= -B_1 \frac{B_0}{\eta_1} \varphi f(\lambda \xi) + \frac{dP_t}{dx} \frac{B_0}{\eta_t} \left[\varphi f(\lambda \xi) - \frac{\nu+2}{2} (1-\xi^2) \right] \\ u_2 &= -B_2 \frac{B_0}{\eta_2} \varphi f(\lambda \xi) + \frac{dP_t}{dx} \frac{B_0}{\eta_t} \left[\varphi f(\lambda \xi) - \frac{\nu+2}{2} (1-\xi^2) \right] \end{aligned} \quad (25)$$

2. In Fig. 2 the legends f_c and f_p have been interchanged. Furthermore, they are incomplete, and should read $f_c(0)$ and $f_p(0)$.
3. In the caption of Fig. 2 the symbol f should be replaced by $f(0)$.
4. Eq. (40) should read:

$$G_\alpha = \frac{\nu \eta_\alpha D_\alpha^K}{P_\alpha R} \quad (40)$$

5. The second expression in Eq. (41) is only valid for cylindrical geometry. For both geometries Eq. (41) should read:

$$D_\alpha^K \approx 0.89 D_\alpha^{K0}, \quad D_\alpha^{K0} = \frac{4}{3\nu} R \left(\frac{8R_g T}{\pi M_\alpha} \right)^{1/2} \quad (41)$$

6. The expressions for K_{12} and K_{21} in Eq. (43) should read:

$$\begin{aligned} K_{12} &= \frac{D_1^K \eta_1}{P_1 \eta_t} h + \frac{D_1^K D_2^K (1-h)}{P_t \mathfrak{D}_{12}} \\ K_{21} &= \frac{D_2^K \eta_2}{P_2 \eta_t} h + \frac{D_1^K D_2^K (1-h)}{P_t \mathfrak{D}_{12}} \end{aligned}$$

7. Eq. (59) should read:

$$g_D = \frac{[1 + (1-h)\zeta_{12}]Q}{d_1 d_2 + (d_1 + d_2)Q}, \quad Q = Q_{12} \frac{p x_1 x_2}{\mathfrak{D}_{12}} \quad (59)$$

8. In Eq. (61) the symbol Q_{12} should be replaced by Q , and so Eq. (61) should read:

$$\begin{aligned} (f_{1m})^{VPM} &= \frac{x_2}{\mathfrak{D}_{12}} d_2 \frac{1 + (1-h)\zeta_{12}}{d_1 d_2 + (d_1 + d_2)Q} \\ (f_{2m})^{VPM} &= \frac{x_1}{\mathfrak{D}_{12}} d_1 \frac{1 + (1-h)\zeta_{12}}{d_1 d_2 + (d_1 + d_2)Q} \end{aligned} \quad (61)$$

9. Inspection of computer programs showed that the correct expressions have been used in numerical calculations.

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