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Erratum

Positivity-preserving, flux-limited finite-difference and finite-element methods for reactive transport by Robert J. MacKinnon and Graham F. Carey (*Int. J. Numer. Meth. Fluids* 2003; **41**:151–183)

On p. 159, Equation (27) should read

$$(1-\theta)\left(\left(\frac{D_{mi-1}}{h_{i-1}}+\frac{D_{mi}}{h_i}\right)+v_i\left(1+\frac{\lambda_i^n}{2\beta_i^n}-\frac{\lambda_{i-1}^n}{2}\right)\right)$$
$$-(1-\alpha_1)R_{1i}^n h_{mi}+(1-\alpha_2)R_{2i}^n h_{mi})<\frac{h_{mi}}{\Delta t} \tag{27}$$

Equation (28) should read

$$\lambda_i^n=0, \quad \text{if } \beta_i^n<0 \tag{28}$$

and Equation (30) should read

$$\frac{1}{\Delta t}>\alpha_1 R_1^n-\alpha_2 R_2^n \tag{30}$$

On p. 166, Equation (58) should read

$$(1-\theta)\left(\left(\frac{D_{mi-1}}{h_{i-1}}+\frac{D_{mi}}{h_i}\right)\right.$$
$$\left.+v_i\left(1+\frac{\lambda_i^n}{2\beta_i^n}-\frac{\lambda_{i-1}^n}{2}\right)-\frac{(1-\alpha_1)}{(1-\theta)}R_{1i}^n h_{mi}+\frac{(1-\alpha_2)}{(1-\theta)}R_{2i}^n h_{mi}\right)<\frac{2h_{mi}}{3\Delta t} \tag{58}$$

and Equation (61) should read

$$\frac{h_{mi}}{3\Delta t}+\theta(v_i-v_{i-1})\left(1+\frac{\lambda_i^n}{2\beta_i^{n+1}}-\frac{\lambda_{i-1}^n}{2}\right)-\alpha_1 R_{1i}^n h_{mi}+\alpha_2 R_{2i}^n h_{mi}>0 \tag{61}$$

On p. 169, Equation (68) should read

$$\frac{\partial C_D}{\partial T}=D^*\frac{\partial^2 C_D}{\partial X^2}-\frac{\partial C_D}{\partial X}+D_{a1}C_D-D_{a2}C_D, \quad 0\leqslant X\leqslant 1,\ T>0 \tag{68}$$

The publishers apologise for this mistake.