Corrigendum: Entropy generation of natural heat exchange into a porous medium accumulated by a hybrid nanoliquid applying LTNE model

It has come to the attention of the publisher that the article Hosein Shaker, Mohsen Izadi, Ehsanolah Assareh, Sabir Ali Shehzad, Mikhail Sheremet; Entropy generation of natural heat exchange into a porous medium accumulated by a hybrid nanoliquid applying LTNE model. *International Journal of Numerical Methods for Heat and Fluid Flow* 3 January 2022; 32 (1): 99–119. https://doi.org/10.1108/HFF-08-2020-0520 mistakenly reported errors in equations (3), (4), (5), (6) and (8). These errors do not affect the article's findings. The corrected equations, respectively, are as follows:

$$\frac{1}{\varepsilon^2}\left(u_{hnf}\frac{\partial u_{hnf}}{\partial x}+v_{hnf}\frac{\partial u_{hnf}}{\partial y}\right)=-\frac{\rho_{bf}}{\rho_{hnf}}\left(\frac{\partial p}{\partial x}\right)+Pr\frac{\mu_{hnf}}{\rho_{hnf}}\frac{\rho_{bf}}{\mu_{bf}}\frac{1}{\varepsilon}\left(\frac{\partial^2 u_{hnf}}{\partial x^2}+\frac{\partial^2 u_{hnf}}{\partial y^2}\right)-\frac{\mu_{hnf}}{\mu_{bf}}\frac{\rho_{bf}}{\rho_{hnf}}\frac{Pr}{Da}u_{hnf} \tag{3}$$

$$\frac{1}{\varepsilon^2}\left(u_{hnf}\frac{\partial v_{hnf}}{\partial x}+v_{hnf}\frac{\partial v_{hnf}}{\partial y}\right)=-\frac{\rho_{bf}}{\rho_{hnf}}\left(\frac{\partial p}{\partial y}\right)+Pr\frac{\mu_{hnf}}{\rho_{hnf}}\frac{\rho_{bf}}{\mu_{bf}}\frac{1}{\varepsilon}\left(\frac{\partial^2 v_{hnf}}{\partial x^2}+\frac{\partial^2 v_{hnf}}{\partial y^2}\right)-\frac{\mu_{hnf}}{\mu_{bf}}\frac{\rho_{bf}}{\rho_{hnf}}\frac{Pr}{Da}v_{hnf}+\frac{\beta_{hnf}}{\beta_{bf}}RaPr\theta_{hnf} \tag{4}$$

$$\frac{1}{\varepsilon}\left(u_{hnf}\frac{\partial \theta_{hnf}}{\partial x}+v_{hnf}\frac{\partial \theta_{hnf}}{\partial y}\right)=\frac{\alpha_{hnf}}{\alpha_{bf}}\left(\frac{\partial^2 \theta_{hnf}}{\partial x^2}+\frac{\partial^2 \theta_{hnf}}{\partial y^2}\right)+\frac{(\rho c)_{bf}}{\varepsilon(\rho c)_{hnf}}\frac{h_{hnf-s}L^2}{k_{bf}}(\theta_s-\theta_{hnf}) \tag{5}$$

$$0=\frac{\alpha_S}{L^2}\left(\frac{\partial^2 \theta_s}{\partial x^2}+\frac{\partial^2 \theta_s}{\partial y^2}\right)+\frac{h_{hnf-s}}{(1-\varepsilon)(\rho c)_s}(\theta_{hnf}-\theta_s) \tag{6}$$

$$0 \le x \le D,\ y=0,\ \theta_w=1$$
$$1-D \le x \le 1,\ y=1 \rightarrow \theta_w=0$$

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$$
\begin{aligned}
&D \le x \le 1-D,\ y=0,\quad y=1 \Rightarrow \frac{\partial \theta_f}{\partial y} = \frac{\partial \theta_S}{\partial y} = 0 \\
&0 \le x \le D,\ y=1 \Rightarrow \frac{\partial \theta_w}{\partial y} = 0 \\
&x=D,\quad x=1-D,\quad 0 \le y \le 1 \Rightarrow \theta_f = \theta_s = \theta_w \\
&x=D,\ x=1-D,\ 0 \le y \le 1 \Rightarrow \frac{\partial \theta_{hnf}}{\partial x} = \frac{K_w}{\varepsilon K_{hnf}}\frac{\partial \theta_w}{\partial x} - \frac{(1-\varepsilon)K_s}{\varepsilon K_{hnf}}\frac{\partial \theta_s}{\partial x}
\end{aligned}
\tag{8}
$$

The authors sincerely apologise for any inconvenience caused.