

Erratum: Non-Convecting Solar Ponds

The Royal Society

Phil. Trans. R. Soc. Lond. A 1983 **308**, 669

doi: 10.1098/rsta.1983.0019

Email alerting service

Receive free email alerts when new articles cite this article - sign up in the box at the top right-hand corner of the article or click [here](#)

To subscribe to *Phil. Trans. R. Soc. Lond. A* go to: <http://rsta.royalsocietypublishing.org/subscriptions>

ERRATUM

Phil. Trans. R. Soc. Lond. A **295**, 423–433 (1980)

Non-convecting solar ponds

BY H. TABOR

Because of the definition of v in the Froude number (equation (4)) as flow *per unit width* (m^2/s) there should be no d term in the Reynolds number nor in the expression for U (equation (5)). This reduces the expression for the depth d of the flowing layer to

$$d^2 = \frac{LU}{\rho c \Delta T} \left[\frac{2\rho}{g \partial \rho / \partial z} \right]^{\frac{1}{2}} \quad (\text{not } d^3).$$

For a realistic value of $U = 40 \text{ W/m}^2$, the values of $d \approx 0.12 \text{ m}$ and *velocity* (not v) $\approx 0.11 \text{ m/s}$ are correct as given.