Erratum to: Stability of a fluid-saturated porous medium contained in a vertical cylinder heated from below by forced convection

Joseph P. Kubitschek · Patrick D. Weidman

Published online: 26 June 2013
© Springer-Verlag Berlin Heidelberg 2013

Erratum to: Heat Mass Transfer (2006) 42:789–794
DOI 10.1007/s00231-005-0045-y

It has come to our attention that eigenvalue Eq. (14a) in the original publication is incorrect. The corrected equation should read

$$\left(\frac{d^2}{dz^2} - \alpha^2\right)^2 F(z) = R\alpha^2 F(z).$$

The typographical error in the operator on the left and the omission of the term on the right were kindly reported to us by Leiv Storesletten and Antonio Barletta. It should be noted that this error is merely typographical and all results reported in the original publication are considered correct.

Storesletten and Barletta found the error when reading the original publication as a prelude to their study of a more general natural convection problem with Robin boundary conditions posed on both the upper and lower plates in the cylindrical geometry. Their paper entitled “Effect of a finite external heat transfer coefficient on the Darcy-Bénard instability in a vertical porous cylinder” will appear soon in the journal *Physics of Fluids*.

The online version of the original article can be found under doi:[10.1007/s00231-005-0045-y](https://doi.org/10.1007/s00231-005-0045-y).

J. P. Kubitschek (✉) · P. D. Weidman
Department of Mechanical Engineering, University of Colorado,
UCB 427, Boulder, CO 80309-0427, USA
e-mail: jkubitschek@do.usbr.gov