

# Errata *Introduction to Fluid Dynamics in Physics and Astrophysics*

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This is a list of typos found in the book after publication. If you are confident you have spotted another typo, you can let me know at [hjve20bath.ac.uk](mailto:hjve20bath.ac.uk) and I will gratefully include it in this list.

- p. 32 The third entry of the first transposed vector on the RHS (i.e.  $\nabla$ ) is incorrect. The vector should read  $\begin{bmatrix} \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \end{bmatrix}$
- p. 32 The sentence directly following Equation 2.8 should read: "No inner or **cross** product [...]" . This is exactly the mistake footnote 5 on page 8 warns about.
- p. 151 Equation 8.31 should have  $\gamma^2$ , not  $\gamma$  in the top right entries for  $[T^{\alpha\beta}]$  on the RHS (the tensor is symmetric, and top right should match bottom left).
- p. 297 The second "density" in the answer to (iv) from Exercise 7.3 should have been "pressure".