

LECTURE NOTES

Astrophysical fluid dynamics

ERRATA

Gordon I. Ogilvie[†]

Department of Applied Mathematics and Theoretical Physics, University of Cambridge,
Centre for Mathematical Sciences, Wilberforce Road, Cambridge CB3 0WA, UK

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- Equation (3.7) should read

$$\frac{\partial}{\partial t} \left(\frac{B^2}{2\mu_0} \right) + \nabla \cdot \left(\frac{\mathbf{E} \times \mathbf{B}}{\mu_0} \right) = -\mathbf{E} \cdot \mathbf{J}.$$

- In the middle line of equation (11.25), the dot between the two brackets is unnecessary.
- In the last line of equation (11.38), R^2 should read R^3 .
- Just before equation (11.124), ‘perfect ideal gas’ should read ‘perfect gas’.

[†] e-mail address for correspondence: gio10@cam.ac.uk