

replaced by an account of numerical results for stability characteristics of typical basic flows. On first acquaintance with hydrodynamic stability, a student needs to know the important concepts and results, with explicit values of the critical Reynolds numbers, rather than advanced theoretical methods.

In summary, then, the graduate student is well served by this comprehensive textbook on the theory of fluid mechanics, at a price low enough to induce him to buy a copy.

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CORRIGENDUM

Similarity of steady stratified flows

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The line before equation (29) and equations (29) and (30) should read:

Let $D'/D't \equiv u'_\alpha \partial/\partial x_\alpha$ stand for the substantial derivative in the *associated flow*. Then, using (25) and

$$(D'/D't)dx_i = du'_i, \quad (29)$$

we have

$$\frac{D'}{D't}\Gamma' = \oint \left\{ \left(-\frac{1}{\rho_0} \frac{\partial p}{\partial x_i} - \frac{\rho}{\rho_0} \frac{\partial \Omega}{\partial x_i} \right) dx_i + d\left(\frac{1}{2}u'_\alpha u'_\alpha\right) \right\} = \oint \frac{\Omega}{\rho_0} d\rho. \quad (30)$$

Equation (44) should read:

$$D'\Gamma'/D't = \oint \Omega d\lambda.$$