

Errata to: Kundu, Cohen, and Dowling, *Fluid Mechanics*, 6<sup>th</sup> Ed. (Academic Press, 2016).

- Page 49. Last line of the OUTLINE. Add commas after "Vector" and "Dot"
- Page 106. On the second to last line of Exercise 3.21, replace  $\mathbf{e}'$  with  $\mathbf{e}'_x$
- Page 223. In Exercise 5.4, replace " $\sigma_{rr}$ ,  $\sigma_{r\theta}$ , and  $\sigma_{\theta\theta}$ ," with " $\tau_{rr}$ ,  $\tau_{r\theta}$ , and  $\tau_{\theta\theta}$ ,"
- Page 278. The first two terms on the right side of (6.141) should be grouped together inside parentheses with a coefficient of 1/2:  $\hat{\mathbf{F}}_{j+1/2}^n = \frac{1}{2}(\mathbf{F}(\mathbf{f}_{j+1}^n) + \mathbf{F}(\mathbf{f}_j^n)) - \dots$
- Page 289. Within Exercise 6.10. Replace the instruction "Set the value of the stream function at the top to  $\psi = 1$ ." with "Set the value of the vorticity and the stream function at the top and bottom to zero."
- Page 338. In the figure for Exercise 7.21, the vertical lines indicating the locations of  $\pm q_s$  need to be spread farther from the y-axis to correctly indicate the singularity locations.
- Page 377. Fourth line of ordinary text. Replace "... occurs at  $\beta$ " with "... occurs as  $\beta$ ".
- Page 897. In spherical coordinates, the gradient of a scalar should be:

$$\nabla\psi = \mathbf{e}_r \frac{\partial\psi}{\partial r} + \mathbf{e}_\theta \frac{1}{r} \frac{\partial\psi}{\partial\theta} + \mathbf{e}_\varphi \frac{1}{r \sin\theta} \frac{\partial\psi}{\partial\varphi}$$

(the subscript of the second unit vector should be  $\theta$ ).