

Errata for Fundamentals Of Aerodynamics NAVAVSCOLSCOM-SG-111

April 2008

Make the following pen and ink changes to copies of API's Fundamentals Of Aerodynamics Student Guide, SG-111 dated April 2008.

Sheet Page Change

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|-------|---|--|
| 1-1-2 | 1 | Add "quantity" to the sentences "A scalar <u>quantity</u> represents only magnitude, e.g., time, temperature, or volume" and "Speed is a scalar <u>quantity</u> equal to the magnitude of the velocity vector." |
| 1-1-2 | 3 | In Figure 1-1-4, change the second equation to read $L + W \cos \gamma = 0$. |
| 1-5-2 | 5 | At the beginning of the first paragraph following the induced drag equation ($D_i = \dots$), add the sentence, "In this equation, k is a constant for any given wing shape." Change the last two sentences of the same paragraph to read, "Another method to reduce induced drag is to install devices that impede the spanwise airflow around the wingtip, which will reduce the value of k in the induced drag equation. Such devices include winglets, wingtip tanks, and missile rails." |