

Design, Analysis and Research Corporation (DARcorporation)

ERRATA: Airplane Aerodynamics and Performance

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cover & title page

Dr. Lan is now a J.L. Constant Distinguished Professor instead of a Warren S. Bellows Distinguished Professor

page 62, Eqn 3.25b

$c_x = \frac{X}{\bar{q}c} = \int_0^1 (c_{p_{\text{lower}}} - c_{p_{\text{upper}}}) d\left(\frac{z}{c}\right)$ should be

$$c_x = \frac{X}{\bar{q}c} = \int_0^1 \left(c_{p_{\text{upper}}} \frac{dz_{\text{upper}}}{dx} - c_{p_{\text{lower}}} \frac{dz_{\text{lower}}}{dx} \right) dx$$

page 144, Figure 5.6b

S = 27.0 ft, replace “S” with “b”. b = 27.0 ft

page 195, Problem 5.3

the term $\frac{2C_{L_{\text{min drag}}}^2}{\pi Ae}$ replaces $\frac{C_{L_{\text{min drag}}}^2}{\pi Ae}$

page 404, Equation 9.68

integral limits should t₁ to t₂ instead of h₁ to h₂

page 447, 3rd line 2nd paragraph

“wing” should be “wind”

page 569, 8th line from bottom

Delete the repeated ‘is’.

Please check the website www.darcorp.com for updated errata