

ERRATA: Airplane Design Part I

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 Year of Print 1985
 (Revised May 16, 2018)

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

- page 61, Line 18* '2,000 ft' should be '2,400 ft'
- page 69, Equation (2.23)* Should read: $D = (W_{PL} + W_{CREW}) + W_{PL\text{exp}}$
- page 98, Line 22* ' $C_{L_{TO\text{max}}}$ ' should be ' $C_{L_{\text{max}TO}}$ '
- page 106, Line 3* 'four factors:' should be 'five factors:'
- page 115, Equation (3.18)* Should read: $V_A = 1.1V_{SPA}$
- page 138, Line 31* 'x0.85' should be '/1.1'
- page 150, Equation (3.32)* Should read: $RC_h = RC_0(1 - h / h_{abs})$
- page 152, Equation (3.38)* Should read:

$$\sin\gamma = \frac{T}{W} \left[P_{dl} - \sqrt{P_{dl}^2 - P_{dl} + \left(1 + \left(\frac{L}{D}\right)^2\right)^{-1} \left(\frac{T}{W}\right)^{-2}} \right]$$
- page 186, Line 9* Should read '... specifies the groundrun as < 2,400 ft.'
- page 186, Line 14* Should read '... fighter therefore: $S_L = 1.9 \times 2,400 = 4,560$ ft.'
- page 186, Line 16* ' $S_L = 3,800/0.6 = 6,333$ ft' should be
' $S_L = 4,500/0.6 = 7,600$ ft'
- page 186, Line 17* ' $V_A^2 = 21,000 \text{ kts}^2$ ' should be ' $V_A^2 = 25,000 \text{ kts}^2$ '
- page 186, Line 20* ' $V_A = \{21,200(1.3/1.2)^2\}^{1/2} = 158 \text{ kts}$ ' should be
' $V_A = \{25,000\}^{1/2} = 158 \text{ kts}$ '

page 197, Line 21

Should read 'Note: These books are all published by:
Design, Analysis and Research Corporation, 1440
Wakarusa Drive, Suite 500, Lawrence, KS, 66049. Tel.
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