## **ERRATA:** Airplane Design Part V

Copyright © 1999 by Dr. Jan Roskam Year of Print: 1999 (Revised August 22, 2019)

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

page 43, Line 21	Should read 'This corresponds to 473 kts at 35,000 ft or a dynamic pressure of 235 psf. At sea level, the corresponding value in KEAS is 263 kts. Since this is larger than 238 kts, $V_C = 263$ kts.'
page 43, Line 27	Should read ' $V_D = 1.25 x V_C = 1.25 x 263 = 329$ kts.'
page 45, Line 2	'Selene' should be 'Ourania'
page 54, Line 8	' $V_C = 295$ kts' should be ' $V_C = 263$ kts'
page 54, Line 8	' $V_D = 369$ kts' should be ' $V_D = 329$ kts'
page 61, Line 3	'Part III' should be 'Part IV'
page 71, Equation (5.13)	Should read: $W_h = \frac{1.68 (W_{TO})^{0.567} (S_v)^{1.249} (A_v)^{0.482}}{639.95 (t_{r_v})^{0.747} (\cos \Lambda_{1/4_v})^{0.882}}$
page 74, Equation (5.20)	Should read: $W_{\nu} = K_{\nu} S_{\nu} \left[ 3.81 \frac{\left\{ \left( S_{\nu} \right)^{0.2} V_D \right\}}{\left\{ 1,000 \left( \cos \Lambda_{1/2_{\nu}} \right)^{1/2} \right\}} - 0.287 \right]$
page 77, Line 20	Should read ' $l_h$ = distance from wing root c/4 to horizontal tail root c/4 in ft'
page 89, Equation (6.13)	Should read:
	$W_{per \ prop} = K_{prop1} \left( N_{bl} \right)^{0.391} \left\{ \frac{\left( D_{p} \right) \left( P_{TO_{per \ prop}} \right)}{1,000} \right\}^{0.782}$

Remove Line 2

page 90, Line 2

page 90, Line 5	Should read ' $P_{TO_{per prop}}$ is the required take-off power per propeller'
page 90, Line 6	Remove Line 6
page 90, Equation (6.14)	Should read:
	$W_{per\ prop} = K_{prop2} \left\{ D_p P_{TO_{per\ prop}} \left( N_{bl} \right)^{1/2} \right\}^{0.782}$
page 91, Line 6	Should read '= 6.55 lbs/gal for JP-4'
page 123, Line 20	Should read 'Note: These books are all published by: Design, Analysis and Research Corporation, 1440 Wakarusa Drive, Suite 500, Lawrence, KS, 66049. Tel. (785) 832-0434'
page 125, Line 10	Should read '4. Agricultural airplanes: Table A4.1.'
page 136, Table A4.1a	Row 48 should read
'Maximum Fuel Capacity 534 1177 300 661 1150 2535'	
page 136, Table A4.1a	Row 49 should read
'Maximum Payload 1300 2866 900 1984 2100 4630'	