Design, Analysis and Research Corporation (DARcorporation)

ERRATA: Airplane Flight Dynamics and Automatic Flight Controls Part II

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page iii, line 3	Topic 3.2.17 Review of Important Sign Conventions should be removed
page xxv	Description for $M_{\dot{\alpha}}$: 'Pich' should be 'Pitch'.
Page 577, Line 14	Last sentence should be, "The AAA program can be purchased from DARcorporation, 1440 Wakarusa Drive, Suite 500, Lawrence, Kansas 66049, USA.
Page 584, Eqn 7.19	"α_w" should be just "α"
page 627, Figure 8.1	Elevator should replace ekevator
Page 631, Figure 8.4	In (amplitude ratio or magnitiude scale) "magnitude" is misspelled
page 637, Figure 8.8	$X_1(s)$ should be $X_1(t)$.
page 649, Top of page	$\sqrt{21.25}$ should be $\sqrt{1.25}$
page 651, Figure 8.22	On the left side of the figure $\left(\frac{s+100}{100}\right)$ should be $\left(\frac{100}{s+100}\right)$
page 653, Eqn. 8.82	(s + 20) should be (s + 2).
page 660, Fig 8.32	The label for the point right above the horizontal axis should be '$e^{+0.2pi/2} = 1.37$'.
page 681, Fig 8.46	The vertical dash line intersects the frequency axis at 2.7 rad/sec, not 1.7 rad/sec.
Page 692, Figure 9.4	"$\frac{\dot{\psi}(s)}{\delta_r(s)}$" should be "$\frac{s\psi(s)}{\delta_r(s)}$"
Page 692, Figure 9.4	"$\dot{\psi}(s)$" should be "$s\psi(s)$"

page 707, Equation (9.64) Remove the first negative sign in the numerator

page 711, Defn. 2 Change 0 db to -180 db

page 717, Table 9.2 In row #8 under the Pole-Zero Plot column, change -1/K to –K.

page 759, Problem 9.5 The corresponding block diagram is shown in Figure 9.36, not Figure 9.35.

page 760, Problem 9.12 Remove the '(s^2' in the denominator.

page 763, Fifth paragraph Remove the '(' before the word "sensed".

Page 780, Figure 11.1 "$\frac{\dot{\psi}(s)}{\delta_r(s)}$" should be "$\frac{s\psi(s)}{\delta_r(s)}$"

page 782, Eqn (11.4) Should be $\frac{sN_\psi}{\overline{D}_2} = \frac{s\left\{-1133(s+0.731)\left(s^2 - 0.238\underline{s} + 0.199\right)\right\}}{675s\left\{(s+0.500)(s+0.001)\left(s^2 + 0.131s + 2.85\right)\right\}}$.

Page 791, Figure 11.11 "$\frac{s\dot{\theta}(s)}{\delta_r(s)}$" should be "$\frac{s\theta(s)}{\delta_r(s)}$"

page 830, Fig 11.56 Add a transfer function $\frac{1}{s}$ between the first and second feed back loop; the output of the control system is 'θ' instead of '$\dot{\theta}$'.