Known Errors in the 6th Edition of Feedback Control of Dynamic Systems

Franklin, Powell and Emami-Naeini

Date	Page	Corrections
10/30/09	18	Problem 1.7(d): Remove the "force" at the end of the line.
10/15/09	167	Prob. 3.46: "Fig. 3.67" The K is misplaced in the box on the left. It should read $\frac{K(s+z)}{(s+p)}$.
10/30/09	211	Problem 4.15: Remove the list item "(a)" There is no longer a part (b).
10/15/09	412	Problem 6.71(d): "Fig. 6.59" should be "Fig. 6.37"
10/15/09	538	Problem 7.5: "Problem 7.2" should be "Problem 7.3"
10/15/09	542	Problem 7.29 (d): "Problem 7.14" should be "Problem 7.43"
10/15/09	547	Problem 7.42 (a): "Fig.7.93" should be "Fig.7.94"
10/15/09	553	Problem 7.54: "Fig.7.99" should be "Fig.7.100"
10/15/09	554	Problem 7.54 (d): "Fig.7.100" should be "Fig.7.101"
10/15/09	657	Problem 9.19: "T on the left in Fig. 9.65" should be "T_r"
10/15/09	752	Prob. 10.17 Table 10.2 "Data for Probem10.8" should be "Data for Problem 10.17"
3/3/10	190	"Let the sensor be -h" should be "Let the sensor be $-h$"
3/3/10	244	Fig. 5.15: In figure title insert brackets to read $\frac{(s+0.1)^2+6^2}{s^2[(s+0.1)^2+6.6^2]}$
3/3/10	245	Fig. 5.16: In figure title insert brackets to read $\frac{(s+0.1)^2+6^2}{s^2[(s+0.1)^2+6.6^2]}$
3/3/10	246	Fig. 5.17: In figure title insert brackets to read $\frac{1}{s^2[(s+0.1)^2+6.6^2]}$
3/3/10	246	Fig. 5.18: In figure title insert brackets to read $\frac{1}{s^2[(s+0.1)^2+6.6^2]}$
3/3/10	247	Fig. 5.19: In figure title insert brackets to read $\frac{1}{s(s+2)[(s+1)^2+4]}$
3/3/10	248	Fig. 5.20: In figure title insert brackets to read $\frac{1}{s(s+2)[(s+1)^2+4]}$
3/3/10	401	Prob. 6.39: Remove extra paren in denominator to read $(s/0.0362 + 1)$
3/3/10	408	Prob. 6.61: Insert missing $\mathcal{S}$ to read: sensitivity function $\mathcal{S}(s)$
3/3/10	491	7th line from the bottom: "As a result, a `step` command will" should be "As a result, a step command will"
3/3/10	521	Line 15: $\mathbf{R}_w = \mathbf{\Gamma}\Gamma^T$
3/17/10	293	Prob. 5.40: $K_v \geqslant 16\frac{2}{3}\text{sec}$ should be $K_v \geqslant 16\frac{2}{3}\text{sec}^{-1}$.
3/17/10	295	Prob. 5.48: $(s - p)$ should be $(s + p)$.
6/9/10	739	Figure 10.87 x-axis label Sec should be sec.
6/9/10	139	Replace the array with :

s^5:	1	2	6	
s^4:	3	6	9	
s^3:	0	3	0	
New s^3:	ϵ	3	0	$\leftarrow$ Replace zero by ϵ
s^2:	$\frac{6\epsilon-9}{\epsilon}$	9	0	
s:	$3-\frac{3\epsilon^2}{2\epsilon-3}$	0	0	
s^0:	9	0		

7/22/10	178	Eq. (4.22) is missing a negative sign. Please insert a negative sign in front.
8/25/10	193	Eq. (4.89) should be: $\frac{Y(s)}{U(s)} = \frac{Ae^{-st_d}}{\tau s+1}$.
10/14/10	379	Eq. (6.67) should read: VM $= \frac{1}{\mathcal{S}_{\max}}$

Date	Page	Corrections
7/7/11	130	Lines 11-12: Line 11 should read: $\sigma > 0$ and Line 12 $\sigma < 0$
7/18/11	213	Fig. 4.34(b): Move U after the K_3 block
7/22/11	197	Add missing K_u, Proportional: $k_p = 0.5K_u$
7/22/11	197	Add missing K_u, PI: $k_p = 0.45K_u$
8/2/11	45	Correct spelling: B teslas
8/2/11	292	Figure 5.68: dot over θ, not over K and should read: $K_T\dot{\theta}$
8/11/11	187	Eq. (4.63): Add missing A to read: k_pA
8/11/11	269	Rule 4: Replace -6 with -8 to read $\tan^{-1}\left(\frac{3}{-8}\right)$
8/11/11	330	Last line: Change inequality to read: $K < 1$
8/11/11	345	First line of text: Remove in to read: versus input
8/11/11	357	Line11: Add missing e, change phas to phase
8/11/11	357	Line 12: Add missing paren to read: mag))
8/11/11	357	Line 13: Add missing paren to read: phase))
8/19/11	538	Add 'in' before Problem 7.3