Modellbygge och simulering, Övningsbok, 1997

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Sida	Rad	Står	Skall stå
14	17^+	Låt $u(t)$ vara antalet anställda år t.	Låt $u(t)$ vara antalet nyanställda år t.
112	2^+	$x_0 = -\frac{1}{2} \pm i\frac{\sqrt{3}}{2}$	$x_0 = \frac{1}{2} \pm i\frac{\sqrt{3}}{2}$
126	10^-	$\Delta\dot{\theta}(t) = -\frac{k}{b}\Delta\theta(t) + \omega_1(t)$	$\Delta\dot{\theta}(t) = -\frac{k}{b}\Delta\theta(t) + \omega_1(t) - \omega_3(t)$
134	(3.15)	$\begin{bmatrix}1\\0\end{bmatrix}\dot{u}(t)$	$-\begin{bmatrix}1\\0\end{bmatrix}\dot{u}(t)$
135	1^+	$\begin{bmatrix}\frac{1}{\beta-2}\\ \frac{-1}{\beta-2}\end{bmatrix}\dot{u}(t)$	$\begin{bmatrix}\frac{-1}{\beta-2}\\ \frac{1}{\beta-2}\end{bmatrix}\dot{u}(t)$
135	(3.16)	$z_1(t) = x_2(t) - \frac{1}{\beta-2}u(t)$	$z_1(t) = x_2(t) + \frac{1}{\beta-2}u(t)$
135	(3.16)	$z_2(t) = x_3(t) + \frac{1}{\beta-2}u(t)$	$z_2(t) = x_3(t) - \frac{1}{\beta-2}u(t)$
135	(3.17)	$+\frac{2\beta-5}{(\beta-2)^2}u(t)$	$-\frac{2\beta-5}{(\beta-2)^2}u(t)$
135	(3.18)	$+\frac{1}{(\beta-2)^2}u(t)$	$-\frac{1}{(\beta-2)^2}u(t)$
135	5^-	$+\begin{bmatrix}\frac{2\beta-5}{(\beta-2)^2}\\ \frac{1}{(\beta-2)^2}\end{bmatrix}u(t)$	$-\begin{bmatrix}\frac{2\beta-5}{(\beta-2)^2}\\ \frac{1}{(\beta-2)^2}\end{bmatrix}u(t)$
135	4^-	$\frac{1}{\beta-2}\begin{bmatrix}-1\\1\\-1\end{bmatrix}u(t)$	$\frac{1}{\beta-2}\begin{bmatrix}-1\\-1\\1\end{bmatrix}u(t)$
173	13^-	$\dot{M}(t) = -\frac{k}{b}M(t) - k\omega_3(t) + \frac{1}{J}\omega_1(t)$	$\dot{M}(t) = -\frac{k}{b}M(t) - k\omega_3(t) + k\omega_1(t)$
181	fig		Bindningen s_3 — p_3 har fel kausalitet.
181	9^-	$s_3 : u_5(t) - u_3(t) - u_4(t) = 0$	$s_3 : u_5(t) + u_3(t) - u_4(t) = 0$
181	2^-	$-\frac{1}{R_3}(u_5(t) - u_4(t))$	$\frac{1}{R_3}(u_5(t) - u_4(t))$
181	1^-	$\frac{1}{R_3}(u_5(t) - u_4(t))$	$-\frac{1}{R_3}(u_5(t) - u_4(t))$
182	13^-	är dock i enheten [J] (energi)	är dock i enheten [K·J/s]
189	(5.1)	$x(t) =$	$\dot{x}(t) =$
230	1^+	dvs då $\lvert 1 - h\lambda\rvert \geq 1$	dvs då $\lvert 1 - h\lambda\rvert > 1$
230	10^-	$\lvert 1 + h\lambda\rvert = \lvert 1 - h \mp ih\rvert$	$\lvert 1 + h\lambda\rvert^2 = \lvert 1 - h \mp ih\rvert^2$
230	4^-	$\lvert 1 - h\lambda\rvert = \lvert 1 - h \pm ih\rvert$	$\lvert 1 - h\lambda\rvert^2 = \lvert 1 - h \pm ih\rvert^2$