

頁	箇所	誤	正
2	図1.1	横軸 x	横軸 t
2	例1.3	$y'' = -\omega^2 a \sin \alpha \omega t$	$y'' = -\omega^2 a \sin \omega t$
14	例2.1	t の関数 $f(x)$	t の関数 $f(t)$
15	例2.3	$y(0) = 0$	$y(0) = 1$
18	例2.6 4行目	$2y^{-\frac{1}{2}}t = t + c$	$-2y^{-\frac{1}{2}} = t + c$
29	例2.11 6行目	v'_c	$v'_c(t)$
32	例2.13 6行目	$u' - 5t^{-1} = 0$	$u' - 5t^{-1}u = 0$
41	下5行目	existence theorem	existence theorem
46	11行目	$\lambda = \frac{p}{2}$	$\lambda = -\frac{p}{2}$
66	例4.2 2行目	$\lambda^2 + 2\lambda + 2 = 0$	$\lambda^2 + 2\lambda + 3 = 0$
69	例4.4 下3行目	非斉次方程式の一般解	斉次解
70	下4行目	$A = \frac{1}{-2(1+i3)} = -\frac{1-i3}{20}$	$A = \frac{1}{-2(1-i3)} = -\frac{1+i3}{20}$
70	下2行目	$y_p = -\frac{1-i3}{20}e^{(-1+i2)t} = e^{-t} - \frac{1-i3}{20}e^{i2t}$	$y_p = -\frac{1+i3}{20}e^{(-1+i2)t} = e^{-t} \left(-\frac{1+i3}{20}e^{i2t} \right)$
71	1,2行目	$\text{Re}[y_p] = -\frac{1}{20}e^{-t}\text{Re}[(1-i3)(\cos 2t + i \sin 2t)]$ $= -\frac{1}{20}e^{-t}(\cos 2t + 3 \sin 2t)$	$\text{Re}[y_p] = -\frac{1}{20}e^{-t}\text{Re}[(1+i3)(\cos 2t + i \sin 2t)]$ $= -\frac{1}{20}e^{-t}(\cos 2t - 3 \sin 2t)$
71	5行目	$y = c_1e^{-2t} + c_2e^{-3t} - \frac{1}{20}e^{-t}(\cos 2t + 3 \sin 2t)$	$y = c_1e^{-2t} + c_2e^{-3t} - \frac{1}{20}e^{-t}(\cos 2t - 3 \sin 2t)$
78	下6,3,2行目	$2e^{-5t}$	$2e^{-t}$
79	1行目	$3e^{-5t}$	$3e^{-t}$
81	1行目	e^{i3t}	e^{it}
81	2行目	e^{i3t}	削除
81	定理4.4 証明1行目	$P(D)g(t)$	$P(D)e^{at}g(t)$
83	例4.16 10行目	$-\frac{1}{8}\cos 3t + \frac{3}{32}\sin 3t$	$-\frac{1}{8}t\cos 3t + \frac{3}{32}\sin 3t$
106	例5.10	$B^{-1}A \begin{bmatrix} 0 & -1 \\ -3 & -2 \end{bmatrix}$	$B^{-1}A \begin{bmatrix} 0 & -1 \\ 3 & -2 \end{bmatrix}$
115	式(6.29)	$-\frac{1}{2}$	$\frac{1}{2}$
117	下3行目	$\frac{1}{s} - \frac{s + \frac{1}{2}}{\left(s + \frac{1}{4}\right)^2} + \frac{3}{16}$	$\frac{1}{s} - \frac{s + \frac{1}{2}}{\left(s + \frac{1}{4}\right)^2 + \frac{3}{16}}$
117	下2行目	$-\frac{1}{\sqrt{3}} \frac{5 + \frac{\sqrt{3}}{4}}{\left(s + \frac{1}{4}\right)^2 + \frac{3}{16}}$	$-\frac{1}{\sqrt{3}} \frac{\frac{\sqrt{3}}{4}}{\left(s + \frac{1}{4}\right)^2 + \frac{3}{16}}$
124	練習A.4(1) 略解	$-\frac{1}{2}(1+i3)(\cos 2t + i \sin 2t)$	$-\frac{1}{20}(\cos 2t - 3 \sin 2t)$
131	1章【4】(2)	$c_1 = \frac{1}{2}, c_2 = -\frac{1+\sqrt{3}}{4}$	$c_1 = \frac{3}{2}, c_2 = \frac{3+\sqrt{3}}{4}$
132	2章【3】(4)	$y = \frac{1}{2}e^{-t} + \frac{1}{2}(2t+1)e^{-3t}$	$y = \frac{1}{4}e^{-t} - \frac{1}{4}(2t+1)e^{-3t}$
133	4章【2】(5)	$y = c_1e^{-t} \cos 2t + c_2e^{-t} \sin 2t + \frac{1}{10}(2\cos 2t + \sin 2t)$	$y = c_1e^{-t} \cos 2t + c_2e^{-t} \sin 2t + \frac{1}{17}(\cos 2t + 4\sin 2t)$
	4章【4】(3)	$y = c_1 \cos t + c_2 \sin t + \frac{3}{13}e^{-3t}(2\cos t + 3\sin t)$	$y = c_1 \cos t + c_2 \sin t + \frac{1}{39}e^{-3t}(2\cos t + 3\sin t)$
	5章【2】(1)	$y = c_1e^{-t} + c_2 \cos t + c_3 \sin t - t(\cos t + \sin t) + 3$	$y = c_1e^{-t} + c_2 \cos t + c_3 \sin t - \frac{1}{2}t(\cos t + \sin t) + 3$
	5章【2】(2)	$y = c_1 \cos \sqrt{2}t + c_2 \sin \sqrt{2}t + c_3 t \cos \sqrt{2}t + c_4 t \sin \sqrt{2}t + \frac{1}{4}(\cos 2t + \sin 2t)$	$y = c_1 \cos \sqrt{2}t + c_2 t \cos \sqrt{2}t + c_3 \sin \sqrt{2}t + c_4 t \sin \sqrt{2}t + \cos t$
134	5章【7】	$\begin{bmatrix} x \\ y \end{bmatrix} = c_1e^{-3t} \begin{bmatrix} 1 \\ 3 \end{bmatrix} + c_2e^t \begin{bmatrix} 1 \\ -1 \end{bmatrix}$	$\begin{bmatrix} x \\ y \end{bmatrix} = c_1e^{-t} \left(\begin{bmatrix} 1 \\ 1 \end{bmatrix} \cos \sqrt{2}t + \begin{bmatrix} 0 \\ \sqrt{2} \end{bmatrix} \sin \sqrt{2}t \right) + c_2e^{-t} \left(\begin{bmatrix} 1 \\ 1 \end{bmatrix} \sin \sqrt{2}t - \begin{bmatrix} 0 \\ \sqrt{2} \end{bmatrix} \cos \sqrt{2}t \right)$
	6章【3】(1)	$y = \frac{1}{25}(34e^{-4t} + 9\cos t + 12\sin t)u(t)$	$y = \frac{1}{25}(34e^{-4t} - 9\cos 3t + 12\sin 3t)u(t)$
	6章【3】(2)	$y = e^{-t}(\cos t + 3e^{-t}\sin t)u(t)$	$y = e^{-t}(\cos t + 3\sin t)u(t)$