

1, May, 2018

page	error	correct
p.97 line 5	$\dots = \frac{1}{2} \sum_{n=0}^{\infty} a^n e^{-jon} - \frac{1}{2} \sum_{n=-\infty}^0 a^{-n} e^{-jon}$	$\dots = \frac{1}{2} \sum_{n=0}^{\infty} a^n e^{-jon} - \frac{1}{2} \sum_{n=-\infty}^{-1} a^{-n} e^{-jon}$
p.100 line 4	$= \dots = \ln(-az^{-1}) - \sum_{n=-1}^{-\infty} \frac{a^n}{n} z^{-n}$	$= \dots = \ln(-az^{-1}) + \sum_{n=-1}^{-\infty} \frac{a^n}{n} z^{-n}$
line 5	$= \ln(-a) + \ln z^{-1} - \sum_{n=-1}^{-\infty} \frac{a^n}{n} z^{-n}$	$= \ln(-a) + \ln z^{-1} + \sum_{n=-1}^{-\infty} \frac{a^n}{n} z^{-n}$
line 12	$-\frac{a^n}{n} - \frac{\cos(n\pi)}{n} \quad n < 0$	$\frac{a^n}{n} - \frac{\cos(n\pi)}{n} \quad n < 0$
p.125 Fig5.3.2	$\dots, \text{ and } s_3(n) = s_1(n) \times s_2(n),$	$\dots, \text{ and } s_3(n) = s_1(n) \otimes s_2(n),$
p.144 line.1	$\dots \text{Principals}$	$\dots \text{Principles}$
p.145 line 11	$= C_v \frac{\delta\theta}{\delta p} =$	$= c_v \frac{\delta\theta}{\delta p} =$
p.146 line 22	$K = \frac{\delta p}{-\Delta} \quad (\text{Nm}^{-2})$	$K = \frac{\delta p}{-\Delta} \quad (\text{Nm}^{-2}).$
p.149 line 23	$c = \dots = 280 \quad (\text{ms}^{-1})$	$c = \dots \cong 280 \quad (\text{ms}^{-1})$
p.150 line 3	$= 332 \quad (\text{ms}^{-1})$	$\cong 332 \quad (\text{ms}^{-1})$
p.151 line 17	As stated in Section 6.1.1,	As stated in Section 6.1.2,
p.152 line 8	$z_0 = \frac{P}{v} = \rho c \quad (\text{Pa s m}^{-1})$	$z_0 = \frac{P}{v} = \rho c \quad (\text{Pa s m}^{-1}).$
p.155 line 2	$\mathbf{V} = -c^2 \nabla \left(\int_0^t s dt + \mathbf{V}_0 \right) \equiv -\nabla \phi,$	$\mathbf{V} = -c^2 \nabla \int_0^t s dt + \mathbf{V}_0 \equiv -\nabla \phi,$
p.158 line 24	$-\nabla p = -\frac{\partial p}{\partial x} = \rho \frac{\partial v}{\partial t},$	$-\frac{\partial p}{\partial x} = \rho \frac{\partial v}{\partial t},$
p.159 line 7	$-\nabla p = -\frac{\partial p}{\partial x} = \rho \frac{\partial v}{\partial t} = j\omega\rho v = j\rho c k v$	$-\frac{\partial p}{\partial x} = \rho \frac{\partial v}{\partial t} = j\omega\rho v = j\rho c k v$
p.163 line 22	where $k_1 = w/c_1$ and $k_2 = w/c_2$	where $k_1 = w/c_1$ and $k_2 = w/c_2$.
p.167 line 12	$(m^3 s^{-1})$	$(m^3 s^{-1})$
line 20	Z_A	Z_A
p.189 line 11, 15	$N(k) =$	$N(k) \cong$
p.190 line 12, 14	$N(k) =$	$N(k) \cong$
p.191 line 3	in Section 6.4,	in Section 6.3,

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p.195 line 11	$\frac{d^2u}{dx} + k^2u = -f(x)$	$\frac{d^2u}{dx^2} + k^2u = -f(x)$
line 12	force (N)	for unit msaa (1/m)
p.201 line 16	$G(k, \mathbf{x}, \mathbf{x}') = \sum_N \dots = \sum_N \sum_{p=1}^8 \frac{1}{\Lambda_N V} \dots$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \dots = \sum_N \sum_{p=1}^8 \frac{1}{8V} \dots$
p.202 line 9	$G(k, \mathbf{x}, \mathbf{x}') = \dots \sum_{N=-\infty}^{+\infty} \frac{1}{\Lambda_N} \dots$	$G(k, \mathbf{x}, \mathbf{x}') = \dots \sum_{N=-\infty}^{+\infty} \frac{1}{8} \dots$
p.202 line 18	$c_l = \frac{L_x}{\pi} \int_{-\pi/2L_x}^{\pi/2L_x} \delta(u_x - \frac{\pi}{L_x}) e^{j2L_x u_x} du_x =$	$c_l = \frac{L_x}{\pi} \int_{\pi/2L_x}^{3\pi/2L_x} \delta(u_x - \frac{\pi}{L_x}) e^{j2L_x u_x} du_x =$
p.203 line 5, 13	$\times \sum_{N=-\infty}^{+\infty} \frac{1}{\Lambda_N} \dots$	$\times \sum_{N=-\infty}^{+\infty} \frac{1}{8} \dots$
line 6, 8, 10	$\dots \sum_{l=-\infty}^{+\infty} \frac{1}{\Lambda_{lmn}}$	$\dots \sum_{l=-\infty}^{+\infty} \frac{1}{8}$
line 9	$\dots \sum_{n=-\infty}^{+\infty} e^{-j2nL_z u_z} du_x du_y du_z$	$\dots \sum_{n=-\infty}^{+\infty} \frac{L_z}{\pi} e^{-j2nL_z u_z} du_x du_y du_z$
p.204 line 1	$\dots \sum_{N=-\infty}^{+\infty} \frac{1}{\Lambda_N} \dots$	$\dots \sum_{N=-\infty}^{+\infty} \frac{1}{8} \dots$
line 2	$= \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{1}{\Lambda_N \pi^3} \dots$	$= \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{1}{8\pi^3} \dots$
p.205 line 9	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{1}{\Lambda_N \pi^3} \dots$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{1}{8\pi^3} \dots$
line 11	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{8}{\Lambda_N} \frac{e^{-jk \mathbf{R}_p + \mathbf{R}_N }}{4\pi \mathbf{R}_p + \mathbf{R}_N },$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{e^{-jk \mathbf{R}_p + \mathbf{R}_N }}{4\pi \mathbf{R}_p + \mathbf{R}_N },$
line 16	$8/\Lambda_N$	(delete)
p.208 line 20	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \frac{\Lambda_N}{V} \dots = \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{\Lambda_N}{V} \dots$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_N \dots = \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \dots$
line 24	$= \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{8}{\Lambda_N} \frac{1}{2\pi} \dots$	$= \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{1}{2\pi} \dots$
p.209 line 1, 2	$= \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \frac{8}{\Lambda_N} \dots$	$= \sum_{p=1}^8 \sum_{N=-\infty}^{+\infty} \dots$
line 24	$= \frac{\Lambda_N}{V} \frac{1}{2\pi} \int_{-\infty}^{+\infty} \sum_N \dots$	$= \frac{1}{2\pi} \int_{-\infty}^{+\infty} \sum_N \frac{\Lambda_N}{V} \dots$
line 25	$= \frac{\Lambda_N}{V} \frac{1}{2\pi} \sum_N \int_{-\infty}^{+\infty} \dots$	$= \frac{1}{2\pi} \sum_N \frac{\Lambda_N}{V} \int_{-\infty}^{+\infty} \dots$
line 26	$= \frac{\Lambda_N}{V} \frac{1}{2\pi} \sum_N \phi_N(\mathbf{x}) \phi_N(\mathbf{x}') \dots$	$= \frac{1}{2\pi} \sum_N \frac{\Lambda_N}{V} \phi_N(\mathbf{x}) \phi_N(\mathbf{x}') \dots$
p.210 line 7	$\equiv c^2 \dots$	$\equiv -c^2 \dots$

page	error	correct
p.211 line 19	$\times \int_{-\infty}^{+\infty} \frac{e^{j\omega t}}{\{\dots\}\{\dots\}} d\omega$	$\times \int_{-\infty}^{+\infty} \frac{-e^{j\omega t}}{\{\dots\}\{\dots\}} d\omega$
line 20	$= -c^2 \sum_N \frac{\Lambda_N}{V} \dots$	$= c^2 \sum_N \frac{\Lambda_N}{V} \dots$
p.212 line 7	$h(t, \mathbf{x}, \mathbf{x}') = -c^2 \sum_N \frac{\Lambda_N}{V} \dots$	$h(t, \mathbf{x}, \mathbf{x}') = c^2 \sum_N \frac{\Lambda_N}{V} \dots$
p.213 line 4	$G(k, \mathbf{x}, \mathbf{x}') = \sum_N \frac{\Lambda_N}{V} \dots = \sum_N \frac{\Lambda_N}{V} \dots$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_N \frac{8}{V} \dots = \sum_N \frac{8}{V} \dots$
line 5	$= \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{\Lambda_N V} \dots$	$= \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{8V} \dots$
line 9	$= \frac{V}{\Lambda_N} = \frac{L_x L_y L_z}{\Lambda_N},$	$= \frac{V}{8} = \frac{L_x L_y L_z}{8},$
line 16	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{\Lambda_N V} \dots \equiv \dots,$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{8V} \dots \equiv \dots,$
p.216 line 2	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{\Lambda_N V} \dots$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{8V} \dots$
p.218 line 23	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{\Lambda_N V} \dots \equiv \dots.$	$G(k, \mathbf{x}, \mathbf{x}') = \sum_{N=-\infty}^{+\infty} \sum_{p=1}^8 \frac{1}{8V} \dots \equiv \dots.$
p.219 line 3	\dots and $\beta_0 = c\delta_0,$	\dots and $\beta_0 = c/\delta_0$ ($\delta_0 \equiv c\beta_0$),
line 20	$\cong Y_N _{\max}^2 \pi\beta \equiv Y_N _{\max}^2 \pi B.$	$\cong Y_N _{\max}^2 \pi\beta_0 \equiv Y_N _{\max}^2 \pi B.$
p.220 line 6	$\Delta N(k) = \dots \cong \frac{dN(k)}{dk} \pi\beta = \dots.$	$\Delta N(k) = \dots \cong \frac{dN(k)}{dk} \pi\beta_0 = \dots.$
p.221 line 5	$r = \dots.$	$r \equiv \dots.$
p.222 line 20	$\phi_2 = e^{-jkr} / r$	$\phi_2 \equiv e^{-jkr} / r$
line 20	$\phi_1 = \phi$	$\phi_1 \equiv \phi$
line 22	$\phi_2 = e^{-jkr} / r$	$\phi_2 \equiv e^{-jkr} / r$
p.224 line 7	$-4\pi\phi_p + \dots =$	$-4\pi\phi_p + \dots =$
line 9	$\phi_p = \dots$	$\phi_p \equiv \dots$
line 19	$\phi_{p1}(x, y, z) = -\frac{1}{4\pi} \iiint \dots$	$\phi_p \equiv \phi_{p1}(x, y, z) = \frac{1}{4\pi} \iiint \dots$
line 21	$\phi_{p2} = \dots$	$\phi_{p2} \equiv \dots$
p.225 line 2	P	p
line 13	ϕ_{P2}	ϕ_{p2}

page		error	correct
p.232 line 10		7.1.3 Distribution of Magnitude and Square Magnitude	7.1.3 Distribution of Square Magnitude
p.233 line 1		$y = \sin \alpha$	$y = \sin \alpha.$
line 3		uncorrelated	independent
Fig.7.1.3		$\overline{p^2(t)} = \frac{1}{2} P_0^2 (A^2 + B^2),$	$\overline{p^2(t)} = \frac{1}{2} P_0^2 (A^2 + B^2),$
Fig.7.1.3			$p_0^2 \equiv 1$
p.236 line 8, 17		$z = e^{j\omega T}$	$z = e^{j\omega_r T}$
line 16		ωT	$\omega_r T$
line 17		$z = e^{j\omega T} = e^{j(\omega_r T + 2\pi)}$	$z = e^{-j\omega_r T} = e^{j(\omega_r T + 2\pi)}$
p.238 line 2		$T_R = \frac{3}{\delta_0} \log_{10} e \cong$	$T_R = \frac{3}{\delta_0 \log_{10} e} \cong$
p.242 line 3, 7, 17,23		(Wm ⁻²)	(Wm ⁻² s ⁻¹)
p.252 Fig.7.4.6			
p.257 Fig.7.5.4		$\phi / (\pi \overline{N}_p)$	$-\phi / (\pi \overline{N}_p)$
Fig.7.5.4		$(-\phi / (\pi \overline{N}_p) = 0.1, 0.2; \text{Dotted-line})$	$(-\phi / (\pi \overline{N}_p) = 0.1, 0.2; \text{Solid-line})$
line 4		$\phi(\omega) \cong -\pi(N_p + N_z^+ - N_z^- - N_p, \text{on-line}) = \dots$	$\phi(\omega) \cong -\pi(N_p + N_z^+ - N_z^- - N_{p, \text{on-line}}) = \dots$
p.275 Fig.8.3.11		X	Y
Fig.8.3.11		Y	X
p.276 line 2		$X(\omega) = \frac{Z_L(\omega)H_R(\omega) - Z_R(\omega)H_L(\omega)}{H_L(\omega)G_R(\omega) - H_R(\omega)G_L(\omega)} \cong \dots$	$-X(\omega) = \frac{Z_L(\omega)H_R(\omega) - Z_R(\omega)H_L(\omega)}{H_L(\omega)G_R(\omega) - H_R(\omega)G_L(\omega)} \cong \dots$
p.309 line 27		$\dots = \sum_j^i \frac{\sigma_i}{\sigma_j} \mathbf{u}_j^T \mathbf{u}_i = 0$	$\dots = \frac{\sigma_i}{\sigma_j} \mathbf{u}_j^T \mathbf{u}_i = 0$
p.317 line 19		Morse, P.M. and Ingard, K.U.	Morse, P. and Ingard, K.
(References) line 25		Schroeder, R.	Schroeder, M.

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