

Error List, August 2019  
Heat Conduction Using Green's Functions  
CRC Press, 2nd Edition, 2011

page/line	error	replace by
45, problem 1.17	first '='	' ' (replace '=' by ' ')
66, Eq. 3.12, two places 66, Eq. 3.13, two places 66, Eq. 3.14, last line 66, Eq. 3.15 67, Eq. 3.16, last line	$x' = x_i$	$x' = x'_i$
74, Eq. 3.44, third line	$F(\mathbf{r}')$	$F(\mathbf{r}'_i)$
80, Eq. 3.66, 2nd line	$G(\mathbf{r}; t \mathbf{r}'; 0)$	$G(\mathbf{r}; t \mathbf{r}'_i; 0)$
103, in Fig. 4.1 2nd line from bottom:	$2L + x + x'$	$2L - x + x'$
133, Eq. (4.146c)	$\frac{dG(L; X'; u)}{dx} = 0$	$\frac{\partial G(L; X'; u)}{\partial x} = 0$
133, Eq. (4.147a)	$\frac{\partial^2 \bar{G}}{\partial x^2} = 0$	$\frac{d^2 \bar{G}}{dx^2} = 0$
147, problem 4.24	“eigenvalue expansions”	“eigenfunction expansions”
147, problem 4.25	“eigenvalue expansions”	“eigenfunction expansions”
177, Eq. 5.88	$\frac{e^{-\phi_{mn}^2 \alpha u / L^2}}{mn}$	$e^{-\phi_{mn}^2 \alpha u / L^2}$
201, Fig. 6.5 caption	(case X22B00 . . .)	(case X12B00 . . .)
205, Eq. (6.83)	$e^{-\beta_m^2 \alpha (t-\tau) / L^2}$	$e^{-\beta_m^2 \alpha t / L^2}$
205, Eq. (6.84)	$\frac{q_0}{k} \left(1 - \frac{x}{L}\right)$	$\frac{q_0 L}{k} \left(1 - \frac{x}{L}\right)$
220, Eq. (6.154)	$= Y^{-1/2} \dots$	$= 2^{-1/2} \dots$
266, 5 lines below Eq. (7.115)	“Refer to section 4.6”	“Refer to section 4.5”
271, Eq. (7.134a)	$\frac{2r}{\pi} [ ]$	$\frac{2}{\pi} \frac{r}{a} [ ]$
271, Eq. (7.134a)	$(1 - r^2)$	$(1 - (a=r)^2)$
278, Eq. (7.155)	$\int_{\phi'=0}^{2\pi}$	$\int_{\phi'=0}^{\phi_0}$
279, Eq. (7.160)	$\int_{\phi'=0}^{2\pi}$	$\int_{\phi'=0}^{\phi_0}$ (3 places)
334, 2 lines below Eq. (9.5)	(kelvin)	(Kelvin)
336, 3 lines below Eq. (9.12b)	“given in section 1.3.2;”	“given in section 1.7.2;”
353, Eq. 9.82	replace ' '	by ' ', two places
362, 2 lines above Eq. (9.127)	Norm $N_\phi$ is equal to for $n = 0$ and 2 for $n = 1$ .	Norm $N_\phi$ is equal to 2 for $n = 0$ and for $n = 1$ .
366, Problem 9.1, 6th line	“(9.4 and 9.5”	“9.4 and 9.5” (erase paren.)
520, No. 2	transform of $1=t$ not defined	drop No. 2 entirely

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521, number 20	$\frac{s}{(s^2 + a^2)}$	$\frac{s}{(s^2 + a^2)^2}$
521, number 21	$\frac{s^2}{(s^2 + a^2)}$	$\frac{s^2}{(s^2 + a^2)^2}$
521, number 22	$\frac{s^2 - a^2}{(s^2 + a^2)}$	$\frac{s^2 - a^2}{(s^2 + a^2)^2}$
523, number 51	$\frac{e^{-k\sqrt{s}}}{s(a + \sqrt{s})}$	$\frac{ae^{-k\sqrt{s}}}{s(a + \sqrt{s})}$
525, Eq. (L.15)	$i$	$i1$ (two places)
558, R12Φ00 title	$@G=@x = 0$	$@G=@r = 0$
558, 1st equation	$a$	(in exponent)
558, def. of R for R12Φ00	$R_{mn}(mn; r)$	$R_n(mn; r)$
558, def. of R for R13Φ00	$R_{mn}(mn; r)$	$R_n(mn; r)$
559, def. of R for R23Φ00	$R_{mn}(mn; r)$	$R_n(mn; r)$
560, def. of R for R33Φ00	$R_{mn}(mn; r)$	$R_n(mn; r)$
575, second-to-last case	RS00Φ00	R00Φ00 (cyl. coordinates)
575, last case	RSIJΦ00	RIJΦ00 (cyl. coordinates)