

Error List, May 2023, page 1/2
 Cole et al., 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	$x' = x_i$	$x' = x'_i$
68, Fig. 3.1	$-k \frac{\partial T}{\partial x}$	$+k \frac{\partial T}{\partial x}$
74, Eq. 3.44, third line	$F(\mathbf{r}')$	$F(\mathbf{r}'_i)$
80, Eq. 3.66, 2nd line	$G(\mathbf{r}, t \mathbf{r}', 0)$	$G(\mathbf{r}, t \mathbf{r}'_i, 0)$
89, below Eq. 3.96	Table X.3	Table X.4
103, in Fig. 4.1 2nd line from bottom:	$2L + x + x'$	$2L - x + x'$
117, Eq. 4.77	$\sin(-\lambda_n L) = -\sin(-\lambda_n L)$	$\sin(-\lambda_n L) = -\sin(\lambda_n L)$
122, Eq. 106,107,108	$x = 0$ (4 places)	$x' = 0$ (4 places)
133, Eq. 4.146c	$\frac{dG(L, x', u)}{dx} = 0$	$\frac{\partial G(L, x', u)}{\partial x} = 0$
133, Eq. 4.147a	$\frac{\partial^2 \bar{G}}{\partial x^2} = 0$	$\frac{d^2 \bar{G}}{dx^2} = 0$
140, first 2 lines	' Note that the pseudo ... '	(erase entire sentence)
147, problem 4.24	"eigenvalue expansions"	"eigenfunction expansions"
147, problem 4.25	"eigenvalue expansions"	"eigenfunction expansions"
177, Eq. 5.88	$\frac{e^{-\phi_{mn}^2 \alpha u / L^2}}{\phi_{mn}}$	$e^{-\phi_{mn}^2 \alpha u / L^2}$
187, above Eq. 6.18	X10B3T0	X10B3T0 ('oh' → 'zero')
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	$\frac{q_0}{k} \left(1 - \frac{x}{L}\right)$	$\frac{q_0 L}{k} \left(1 - \frac{x}{L}\right)$
212, Example 6.8	X21B10Y21B01	X21B10Y21B01T0 (2 places)
220, Eq. 6.154	$= Y \pi^{1/2} \dots$	$= 2\pi^{1/2} \dots$
266, 5 lines below Eq. 7.115	"Refer to section 4.6"	"Refer to section 4.5"
271, Eq. 7.134a	$\frac{2r}{\pi} [\cdot]$	$\frac{2}{\pi} \frac{r}{a} [\cdot]$
271, Eq. 7.134a	$(1 - r^{-2})$	$(1 - (a/r)^2)$

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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)
283, Example 7.18	R01B- Φ 00 case	R01B5 Φ 00 case
324, Example 8.10	RS10B00T0Gr5	RS10B0T0Gr5
333, 7 lines from bottom	'divided into Green's ...'	'divided into sections on Green's ...'
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 ' ν '	by ' σ ', two places
362, 2 lines above Eq. 9.127	Norm N_ϕ is equal to π for $n = 0$ and 2π for $n \geq 1$.	Norm N_ϕ is equal to 2π for $n = 0$ and π for $n \geq 1$.
366, Problem 9.1, 6th line	"(9.4 and 9.5"	"9.4 and 9.5" (erase paren.)
509, Eq. Cho 2.5.1		add to end: 'for $a > 0$ '
520, No. 2	transform of $1/t$ not defined	drop No. 2 entirely
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	$i\beta$	$i\infty$ (two places)
558, R12 Φ 00 title	$\partial G/\partial x = 0$	$\partial G/\partial r = 0$
558, 1st equation	a	α (in exponent)
558, def. of R for R12 Φ 00	$R_{mn}(\beta_{mn}, r)$	$R_n(\beta_{mn}, r)$
558, def. of R for R13 Φ 00	$R_{mn}(\beta_{mn}, r)$	$R_n(\beta_{mn}, r)$
559, def. of R for R23 Φ 00	$R_{mn}(\beta_{mn}, r)$	$R_n(\beta_{mn}, r)$
560, def. of R for R33 Φ 00	$R_{mn}(\beta_{mn}, r)$	$R_n(\beta_{mn}, r)$
575, second-to-last case	RS00 Φ 00	R00 Φ 00 (cyl. coordinates)
575, last case	RSIJ Φ 00	RIJ Φ 00 (cyl. coordinates)