

Corrigenda for *Solar Engineering of Thermal Processes, Fourth Ed.*  
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Some of these changes have been made in recent printings

<u>Page</u>	<u>Where</u>	<u>Change</u>
14	Table 1.6.1	The values for $\delta$ were obtained using Eqn 1.6.1a
15	Example 1.6.1	$\cos \theta = 0.818$
19	Equation for $\gamma_s$	$\gamma_s = SIGN(60) \left  \cos^{-1} \left( \frac{\cos 70.3 \sin 43 - \sin(-2.4)}{\sin 70.3 \cos 43} \right) \right  = 66.8^\circ$
31	Example 1.9.1	Latitude is $45^\circ$
63	Table 2.6.1	Add a zero to the last 6 entries of the Midpoint column 219→2190
89	6 lines from top	$\omega_2 - 75.0^\circ$ should be $\omega_2 = -75.0^\circ$
93	First line of Solution	0.224 should be 0.244
94	Row 4 of Table 2.16.1	Last column should be $-0.014$ (instead of $+0.014$ )
97	4th line in Section 2.17	2.15.2 should be 2.14.2
106	Table header	$\rho_s$ should be $\rho_g$
107	Equation 2.20.4a	First term in denominator should be $d \cos \phi$
119	3 <sup>rd</sup> line of Solution	$k_T$ should be $k'_T$
120	Table header	$K_T$ should be $k'_T$
	2 <sup>nd</sup> line after eqn	$k_T$ should be $k'_T$
125	last line	1.58 should be 0.158
152	End of Example 3.11.1	3.6.1 should be 3.10.1
163	Solution to part a	Viscosity units of $m^2/s$ should be $kg/m-s$
	Part c solution	6.2 should be 5.4.
186	Column $\lambda_{mid}$ should be	0.416, 0.492, 0.559, 0.627, 0.700, 0.786, 0.885, 1.038, 1.257, 1.750
191	$\lambda$ at midpoint should be	0.42, 0.49, 0.56, 0.63, 0.70, 0.79, 0.89, 1.04, 1.26, 1.75
229	Eqn 5.11.1	$+A_i$ should be $/A_i$
230	11 lines up from bottom	0.7 should be 0.3
	10 lines up from bottom	1.62 should be 0.70 and 9.18 should be 8.26
	8 lines up from bottom	12.2 should be 10.84
	7 lines up from bottom	$8.18/12.2 = 0.75$ should be $8.26/10.84 = 0.76$
	6 lines up from bottom	75% should be 76%
232	2 <sup>nd</sup> line up from bottom	Should read: Instantaneous noon-time measured ...
233	Line above Solution	Add: $\rho_g$ is 0.2
243	Eqn 6.4.8	Second $T_j$ should be $T_i$
	Third eqn from bottom	$(T_p - T_c)$ should be $(T_p + T_c)$
245	Line 4 from top	Change $\varepsilon_g$ to $\varepsilon_c$
	Third eqn for q	Change $\varepsilon_p$ to $\varepsilon_c$
284	Eqn for $F'$ (mid page)	Missing exponent of $-1$ on $(1/22 + 1/8.3)$
286	Eqn for $h$	Exponent should be $-1.21$
287	Result of $\Delta p$ calculation	Change 307 Pa to 30.7 Pa
294	Eqn for slope	7.62 should be $-7.62$
303	Eqn 6.19.4a	The $1+$ should be like the $1+$ of Eqn 6.19.5a
307	Eqn for $h_f$	8.09 should be 8.9

- 314 Back-insulation thickness 0.007 m should be 0.07 m
- 315 15 lines from top Should read: The effective sky temperature ...  
 11 lines from bottom Change 19.75°C to 19.75°
- 391 Last Eqn on page Second  $T_i$  should be  $T_{i-1}$
- 684 Last line before Solution  $(\tau\alpha)_n/(\tau\alpha)$  should be  $(\tau\alpha)/(\tau\alpha)_n$
- 766 Second line 23.3.3 into 23.2.13 should be 23.3.1 into 23.2.16  
 Eqns 23.7.2 and 23.7.3  $\mu_{mp,ref}$  should be  $\eta_{mp,ref}$  four places
- 769 Eqn for  $\bar{\eta}_i$  30.7 should be 30.8