

ERRATA

THERMAL RADIATION HEAT TRANSFER

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Page	Correction
11	Eq. (1.6): the RHS should be 2π , not 4π .
27	Fig. 1.16: In the caption, replace “crosshatched” with “light gray”. Second line in first paragraph, replace “crosshatched” with “light gray”.
55	In Figure 2.2e, on the incoming ray, replace $I_i(\theta_r, \phi_i, T_s)$ with $I_i(\theta_i, \phi_i, T_s)$. In Figure 2.2e, on the reflected ray, replace $I_r(\theta, \phi, \theta_r, \phi_i, T_s)$ with $I_r(\theta_r, \phi_r, \theta_i, \phi_i, T_s)$. In Figure 2.2e, for the reflected ray, the angles with respect to the axes should be θ_r and ϕ_r , not θ and ϕ . Revise the caption to Figure 2.2 to read: “Pictorial descriptions, the subscript λ is added to the property definitions: (a),; (e) bi-directional reflectivity $\rho(\theta_r, \phi_r, \theta_i, \phi_i, T)$; (f).....”
56	In Figure 2.2i, for the incoming ray, replace the azimuthal angle θ_r with θ_i . In Figure 2.2i, for the transmitted ray, replace $I_t(\theta_r, \phi_i, \theta_i, \phi_i, T_s)$ with $I_t(\theta_i, \phi_i, \theta_i, \phi_i, T_s)$. In the caption Figure 2.2 (Continued) , second line, revise to read “..... the subscript λ is added to the property.....”
63	In the line after Eq. (2.11), replace $dA \cos \theta / R^2$ with $dA \cos \theta_i / R^2$ At end of line after Eq. (2.11), add “..... as in Figure 2.7a.”
163	In Eq. (4.15) the RHS should read $dA_1 F_{d1-2}$
187	Fig. 4.24a: The element dA_2 is meant to be a strip element that goes completely around the interior of the square channel.
222	In text line above Eq. (5.9.1), ε_2 should be plain text, not bold.
242	The upper limit in Eq. (5.19.1) should be $\eta = l$, not $\eta = 1$.
273	Section 6.2, first paragraph, at end of line modify to read “from directional ones, and one can understand...”
293	Fig. 6.15(d): For path b , the uppermost arrowhead should be reversed.
294	Example 6.8, second paragraph, first line, should read “The cooling rate of the coffee is

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$$\rho_M V c \frac{dT_1}{dt}. \text{ Assuming.....}''$$

- 355 Example 7.7, first paragraph, next to last line, replace "...heat capacity c_p ..." with "...specific heat c_p ..."
- 769 Line above Eq. (15.37). For nonabsorbing medium, should be: ($k_1 = 0$).
- 773 Eq. (15.54): the a_j and b_j should not be squared.
- 774 Eq. (15.58): a multiplier of 4π should replace the 1 in the numerator on the RHS.
- 916 The reference to Chan, S. and Ge, X.S. should be to Chen, S. and Ge, X.S., and should be reordered alphabetically.