

Significant errata in Version 1.00 of A Heat Transfer Textbook, 3rd ed. (as of May 1, 2002).

Page 32, line 9: Should read "...between $Q_{1 \text{ to } 2} = A_1 e_b(T_1)$ and $Q_{2 \text{ to } 1} = A_1 e_b(T_2)$ "

Page 87, Problem 2.22: Replace "0.12 W/m²K" by "0.12 W/m·K".

Page 90, Problem 2.37: Replace "3.4 W/m²K" by "3.4 W/m·K".

Page 90, Problem 2.38: Replace "9 W/m²K" by "9 W/m·K".

Page 161, Eqn. (4.40): Should read

$$C_1 = \frac{e^{-mL}}{2 \cosh mL} \quad \text{and} \quad C_2 = 1 - \frac{e^{-mL}}{2 \cosh mL}$$

Page 161, line 5b: Should read " $L/kA(T_0 - T_\infty)$ ".

Page 176, Problem 4.14: Replace "50 W/m²K" by "50 W/m·K".

Page 195, eqn. (5.36): Replace " T_0 " by " T_i ".

Page 203, line 4b: Should read " $\psi = \omega \delta^2 / \alpha$ "

Page 214, line 1: Replace " ζ " by " β ".

Page 270, line 3: Should read " $f'(y\sqrt{u_\infty/\nu x})$ ".

Page 270, Example 6.2: ν is evaluated at the outside edge of the b.l., using $\eta = 8.00$.

Page 352, line 2: Replace "existing" by "exiting".

Page 354, eqn. (7.61b): Should read " $= (D_o - D_i)$ ".

Page 355, Example 7.6: Nu_D should be 49.82. Subsequent numbers become:

$$h = 4.371 \text{ W/m}^2\text{K}, \quad U = 2.332 \text{ W/m}^2\text{K}, \quad \text{and} \quad T_{b_{\text{out}}} = 23.3^\circ\text{C}.$$

Page 420, line 3: Should read "Since it appears to the same power..."

Page 481, line 8: Replace "25,000" by "184,000".

Page 493, Problem 9.17: Replace "9.6" by "9.9".

Page 574, 1st eqn.: Replace "0.000112" by "0.000201".

Page 574, 2nd eqn.: Replace " $\frac{\rho_{i,s}}{m_i} v_{i,s}$ " by " $N_{i,s}$ ".

Page 577, line 15: Should read "...experimentally in low..."

Page 580, 1st eqn.: Replace " k_b " by " k_B ".

Page 594, line 7: Should read "...applies to any..."

Page 641, Problem 11.43: Replace "paradichlorobenze" by "paradichlorobenzene".

Page 644, Problem 11.52b: Replace "longest" by "shortest".

Page 686, column 2: ε can refer to fin "effectiveness," not "efficiency".