

Known Typographical Errors in  
"Thermodynamics: Fundamentals for Applications"  
by J.P. O'Connell & J.M. Haile  
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First Printing

On the back cover, last line of cover illustration reads

", or condenses to liquid," SHOULD read ", or vapor condenses to liquid,"

Page 29, problem 1.9e

"2-methyl-2-propanol" SHOULD read "2-methyl-1-propanol" in two places

Page 53, 1 line above Example 2.3.3,

"that" SHOULD read "than"

Page 65, problem 2.7, entry (e), second column,

"+" SHOULD read "-"

Page 115, problem 3.8, 1st line,

"H and G/T" SHOULD read "h and g/T"

Page 130, Equation (4.1.48), last term

$\sum_i \bar{G}_{\text{pure } i} dN_i$  SHOULD read  $\sum_i g_{\text{pure } i} dN_i$

Page 130 between Equations (4.1.48) and (4.1.49), the middle term

$\sum RT dN_i = 0$  SHOULD read  $\sum RT dN_i$

Page 295, table 7.3, last row, column 7,

"0." SHOULD read "0"

Page 308, problem 7.9, next to last line,

"1 mole of steam" SHOULD read "2 moles of steam"

Page 308, problem 7.11, last line

"amounts" SHOULD read "moles"

Page 327, Figure 8.6 caption

"250 K" SHOULD read "275 K"

Page 348, Figure 8.18 caption

"(8.4.8) SHOULD read "(8.3.13)"

Page 349, 2nd line above Eq. (8.4.13)

"identify" SHOULD read "identity"

Page 414, Problem 9.4: Cases 6 and 7 should be removed. The analysis of chapter 9 is only for states of closed systems, whereas these open system cases must be treated by the methods of Section 12.3.2.

Page 415, Problem 9.7: Cases 2 and 5 should be removed. The analysis of chapter 9 is only for states of closed systems, whereas these open system cases must be treated by the methods of Section 12.3.2.

Page 425, figure 10.2,

" $x_1 = 0.719$   $y_1 = 0.870$ " SHOULD read " $y_1 = 0.719$   $x_1 = 0.870$ "

Page 443, line above (10.2.67),

"4.648" SHOULD read "3.116"

Page 443, Eq. (10.2.68)

"3.320" SHOULD read "2.226" and "0.4419" SHOULD read "0.6590"

Page 443, Eq. (10.2.69)

"(0.4419)(4.648)" SHOULD read "(0.6590)(3.116)"

Page 475, Problem 10.19 (b)

"mixture, assuming" SHOULD read "mixture at 500 K, 1 bar, when the initial moles of ethylene and of water are one, assuming"

Page 475, Problem 10.19 (c)

"calculation in (a)" SHOULD read "calculation in (b)"

Page 511, Eq. (11.2.36),

" $\delta_{ik}$ " SHOULD read " $\delta_{im}$ "

Page 511, line below Eq. (11.2.36),

" $\delta_{ik} = 1$  if  $i = k$ , but  $\delta_{ik} = 0$  if  $i \neq k$ " SHOULD read " $\delta_{im} = 1$  if  $i = m$ , but  $\delta_{im} = 0$  if  $i \neq m$ "

Page 522, reference 26,

"1970" SHOULD read "1997"

Page 525, problem 11.16, second line

"11.1.4" SHOULD read "11.1.5"

Page 645, 5 lines below "Subscripts and ..."

"(5.4.14)" SHOULD read "(5.4.13)"