

## Chemical Reactor Analysis and Design Fundamentals

### Errata for Second Printing

April 4, 2006

1. p. 43, three lines above first equation, change "Equation 2.27" to "Reaction 2.26." Thanks to Manos Mavrikakis for pointing out this erratum.
2. p. 91, last paragraph, change "the production of 2,2,4 is preferable" to "the production of 2,2,3 is preferable." Thanks to Manos Mavrikakis for pointing out this erratum.
3. p. 103, Exercise 3.10 (b), change "ideal mixture" to "ideal-gas mixture."
4. p. 146, p. 155, remove extraneous " $e_q :$ " in Equation 4.70 on p. 146 and equation for  $c_j$  on p. 155.
5. p. 168, Equation 4.93, add units of 1/day to the rate constants. Thanks to Elise Huang of UW for pointing out this erratum.
6. p. 177, Exercise 4.8, change units of  $E_a$  to kcal/mol. Thanks to Ryan West of UW for pointing out this erratum.
7. p. 179, Exercise 4.12, part (b), change "gas flowrate" to "volumetric flowrate." Thanks to Charlie Hill for pointing out this erratum.
8. p. 181, Exercise 4.17, change units of  $k_1$  from mol/L·min to L/mol·min. Thanks to Yong Ku Cho of UW for pointing out this erratum.
9. p. 242, Equation 5.135, change  $K_{CO}$  to  $K_1$ . Thanks to Irene Chen of UW for pointing out this erratum.
10. p. 261, Exercise 5.6, 3 lines from end. Change the list ( $CH_3$ ,  $CH_3CO$  and  $CHO$ ) to ( $CH_3$  and  $CH_3CO$ ). Thanks to Tania Deb and Chris Barrett of UW for pointing out this erratum.
11. p. 340, replace  $A_h$  with  $A$  in the table for Exercise 6.6.
12. p. 340, replace  $E/RT$  with  $E/T$  in the reaction rate expression in Exercise 6.7. Thanks to Anita Gilgenbach of UW for pointing out this erratum.
13. p. 378, change the upper limit of integration from  $c$  to  $\bar{c}$  in the equation preceding Equation 7.50.
14. p. 463, change  $c_A(\theta)$  to  $c_{At}$  in first line after the two unnumbered equations. Thanks to Manos Mavrikakis for pointing out this erratum.
15. p. 549, change right-hand side of last equation to  $k_2 c_C c_B V_R$ . Thanks to Manos Mavrikakis for pointing out this erratum.