

1. p. 53, Table 2.1 needs to be changed:
  - (i) 1,4-PI: Replace “4.6” with “4.7”; Replace “8.2” with “8.4”; Replace “113” with “120”.
  - (ii) 1,4-PB: Replace “5.3” with “5.5; Replace “9.6” with “9.9”; Replace “105” with “113”.
  - (iii) PP: Replace “5.9” with “6.0”; Replace “180” with “183”.
  - (iv) PEO is fine as is
  - (v) PDMS is fine as is
  - (vi) PE is fine as is
  - (vii) PMMA: Replace “9.0” with “8.2”; Replace “17” with “15”; Replace “655” with “598”.
  - (viii) PS is fine as is

2. p. 58, Equation 2.37 Insert  $-\frac{1}{6}\left(\frac{R_{\max}}{l_p}\right)^3$  after  $\frac{1}{2}\left(\frac{R_{\max}}{l_p}\right)^2$ .

New Eq. 2.37 should read

$$\exp\left(-\frac{R_{\max}}{l_p}\right) \cong 1 - \frac{R_{\max}}{l_p} + \frac{1}{2}\left(\frac{R_{\max}}{l_p}\right)^2 - \frac{1}{6}\left(\frac{R_{\max}}{l_p}\right)^3 + \dots \quad \text{for } R_{\max} \ll l_p$$

3. p. 59, Equation 2.38: Insert  $-\frac{R_{\max}^3}{3l_p} + \dots$  after  $R_{\max}^2$ . New Eq. 2.38 should read

$$\langle R^2 \rangle \cong R_{\max}^2 - \frac{R_{\max}^3}{3l_p} + \dots \quad \text{for } R_{\max} \ll l_p$$

4. p. 60, Table 2.2  $C_\infty$  for HR model: Replace  $\langle \cos\theta \rangle$  with  $\langle \cos\phi \rangle$  so that the result agrees with Eq. 2.40.
5. p. 91, Problem 2.19 insert “for  $v - u = 1000$ ” at the end of the problem.
6. p. 111, Equation 3.65 insert a minus sign after the  $\approx$  sign.
7. p. 219, Equation 6.57 remove extra parenthesis. Replace “)]” by “]”.
8. p. 221, Figure 6.21 has curves miss-labeled.  
The top one should be 0.4 and the bottom one should be 0.49.
9. p. 223, Equation 6.80 Delete the minus sign.
10. p. 247, Problem 6.3 first line replace “percolation” with “gelation”.
11. p. 247, Problem 6.7 add \* after 6.7.
12. p. 251, Problem 6.32 Insert “ $N_0$ -dependent” after “Calculate the”.
13. p. 280, Figure 7.17 The right edge is not fully printed (only partly fixed in the second printing).
14. p. 295, Problem 7.2 Replace  $10^4$  by  $10^2$  in the table four times.
15. p. 297, Problem 7.14 Insert “true” before “stress” twice in first two lines.
16. p. 314, Second line Replace  $1/\sqrt{3\pi}$  with  $1/(2\sqrt{3\pi})$ .
17. p. 322, Figure 8.6 The x-axis tick labels should be “ $10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7$ ” instead of “ $10^{-0} 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7}$ ”
18. p. 335, near mid-page Replace “1 K” with “3 K”.

19. p. 347, Fifth line Replace “Fig. 8.20” with “Fig. 8.21”.
20. p. 357, Problem 8.29: Replace “ $k$ ” in Eqs 8.182 and 8.183 with “ $R$ ” (in Calligraphic font).
21. p. 362, Table 9.1 needs to be changed:

- (i) Polyethylene: Replace “2.60” with “2.6”.
- (ii) Poly(ethylene oxide): Replace “140 °C” with “80 °C”; Replace “1.80” with “1.8”; Replace “2000” with “1700”; Replace “15” with “13”; Replace “40” with “37”; Replace “21” with “19”.
- (iii) 1,4-PB is fine as is.
- (iv) PP is fine as is.
- (v) 1,4-Polyisoprene: Replace “56” with “53”; Replace “8.2” with “8.4”; Replace “210” with “220”.
- (vi) Polyisobutylene: Replace “0.32” with “0.34”; Replace “7100” with “6700”; Replace “26” with “24”; Replace “64” with “62”; Replace “20” with “19”.
- (vii) PDMS is fine as is.
- (viii) PS is fine as is.
- (ix) PVCH is fine as is.

22. p. 365, End of the first paragraph, Replace “(9.16)” with “(9.10)”.

23. p. 385, line 10: Delete “is” to read “this correction is 0.77”.

24. p. 388, footnote 7, Replace “ $P/N_e > (N/N_e)^{2.4}$ ” with “ $(P/N_e)^{1.4} > (N/N_e)^{3.4}$ ”

25. p. 407, Eq. 9.132 Replace exponent (2/3) of  $v/b^3$  with  $2(15\nu-8)/[3(3\nu-1)]$  to read

$$\left(\frac{v}{b^3}\right)^{2(15\nu-8)/[3(3\nu-1)]}$$

26. p. 407, Eq. 9.133 Replace exponent of  $b^3/v$  with  $(24\nu+13)/[3(3\nu-1)]$  to read

$$\left(\frac{b^3}{v}\right)^{(24\nu+13)/[3(3\nu-1)]}$$

27. p. 407, Eq. 9.134 Replace exponent of  $v/b^3$  with  $(42\nu-23)/[3(3\nu-1)]$  to read

$$\left(\frac{v}{b^3}\right)^{(42\nu-23)/[3(3\nu-1)]}$$

28. p. 408, Problem 9.15: Replace part (ii) with:

(ii) Derive the following relation for the overlap concentration of a wormlike chain

$$c^* \approx \frac{M}{(R_{\max} b)^{3/2} N_{Av}}$$

and determine the overlap concentration if the Kuhn length of DNA is  $b = 100$  nm (approximately 300 base pairs).

29. Additions to the Index:

- p. 433: comb polymer statics **6**, 300
- p. 435: H-polymer statics **6**, 63, 91
- p. 436: micelle 194, 200
- p. 438: ring polymer statics **6**, 63, 92, 133
- p. 438: star polymer statics **6**, 43, 63, 91, 194, 347