1. On p. 1, in the last line of the 1st paragraph read “physicist” rather than “physicists”.
2. On p. 64, in (1.12.29) replace $e^{i\varphi}$ by $e^{\pm i\varphi}$ and $e^{-i\varphi}$ by $e^{\mp i\varphi}$.
3. On p. 85, in (1.16.19) replace $e^{iq\rho}$ by $e^{iq'\rho}$.
4. On p. 90, Problem 1-19 should end with a question mark.
5. On p. 95, in Problem 1-36c read “in such a way that $U$ is” rather than “in such a way the $U$ is”.
6. On p. 111, in (2.3.7) replace $e^{-i\langle q \rangle (p' - \langle p \rangle)}$ by $e^{-i\langle q \rangle (p' - \langle p \rangle)}$.
7. On p. 120, in (2.5.16) replace the left-hand side by $0 = \left( \frac{d^2}{dq^2} - q'^2 + 2n + 1 \right) e^{-\frac{1}{2}q'^2} H_n(q')$.
8. On p. 122, in (2.5.37) replace $\sum_{l \neq q}^{\sum_{l \neq k}}$ by $\sum_{l \neq k}$.
9. On p. 124, in (2.6.12) read $(y^\dagger)^k y^k$ rather than $(y^\dagger)^n y^n$.
10. On p. 140, in Problem 2-14, replace $\frac{1}{2} i [A, B]$ by $\frac{1}{2} \left( i [A, B] \right)$.
11. On p. 141, in Problem 2-17a, replace $(\frac{1}{2} (\gamma \sigma + \sigma \gamma))$ by $(\frac{1}{2} (\gamma \sigma + \sigma \gamma))$ in the last displayed equation.
12. On p. 142, in Problem 2-19a replace $H(q)$ by $H_n(q)$.
13. On p. 155, in (3.4.2) replace $j = \frac{1}{2}(n_+ + n_-) = n$ by $j = \frac{1}{2}(n_+ + n_-) = \frac{1}{2} n$.
14. On p. 155, in the second line of (3.4.3) replace $|n_+ - 1, n_+ + 1\rangle$ by $|n_+ - 1, n_- + 1\rangle$.
15. On p. 159, in the unnumbered equation read $|j, m - 1\rangle$ rather than $|j, m\rangle$.
16. On p. 165, between (3.6.10) and (3.6.11) replace $\langle a \rangle$ by $\langle a' \rangle$.
17. On p. 178, in Problem 3-8a, the displayed equation should read $3 - 2\sigma_1 \cdot \sigma_2$ rather than $3 - \sigma_1 \cdot \sigma_2$.
18. On p. 179, in Problem 3-9, 2nd line, read “sometimes called” rather than “sometimes call”.
19. On p. 209, in (5.5.14) read $\int_{t_2}^{t_1}$ rather than $\int_{t_1}^{t_2}$.
20. On p. 230, in (6.3.9) read \( p_x = \sqrt{M\hbar\omega} p \) rather than \( p_x = \sqrt{m\hbar\omega} p \).

21. On p. 269, in the 2nd line after (7.1.2) read \( 0, \omega, 2\omega \) rather than \( \omega, 2\omega, 3\omega \).

22. On p. 289, in (7.4.14) read \( (1 \pm i\delta\alpha)y_\pm \) rather than \( (1 \pm i\delta\alpha y_\pm) \).

23. On p. 296, in the first line of (7.5.8) read \( L^2 \to -(q \times \nabla) \cdot (q \times \nabla) \) rather than \( L^2 \to -(q \times \nabla) \times (q \times \nabla) \).

24. On p. 298, in (7.5.26) replace \( L_{n,\mu}^{(l+\frac{1}{2})}(\rho) \) by \( L_{n,\mu}^{(l+\frac{1}{2})}(\rho^2) \).

25. On p. 347, before (9.2.6) read \( i^lP_l(\zeta) \) rather than \( i^lP(\zeta) \).

26. On p. 393, in (10.6.10) replace \( \psi(y',t) \) by \( \psi(a',t) \); 2 occurrences.

27. On p. 417, in the 1st line of (11.2.50) read \( \nabla \cdot \frac{1}{r} \) rather than \( \nabla \frac{1}{r} \).

28. On p. 419, in the 2nd line after (11.2.61) read \( \alpha = \frac{7}{5} \) rather than \( \alpha = \frac{7}{5} \).

29. On p. 421, in the 4th line after (11.3.6) read \( -\mathcal{E} \gg Z^\frac{3}{2}e^2/a_0 \) rather than \( \mathcal{E} \gg Z^\frac{3}{2}e^2/a_0 \).

30. On p. 463, in (12.9.12) replace \( \langle E, \ldots \rangle \) by \( \langle E_0 \rangle \).