Quantum Mechanics
Symbolism of Atomic Measurements
by J. Schwinger, edited by B.-G. Englert
(1st printing, Springer-Verlag 2001)

List of typographical errors (updated December 2008)

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 $e^{iq^p}$ by $e^{iq''}$.
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 $e^{i(q'(p' - \langle p \rangle))}$ by $e^{-i(q'(p' - \langle p \rangle))}$.
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 $\sum_{l \neq q} \cdots$ by $\sum_{l \neq k} \cdots$.
9. On p. 124, in (2.6.12) read $(y^k)'^y$ rather than $(y^k)y$.
10. On p. 142, in Problem 2-19a replace $H(q)$ by $H_n(q)$.
11. On p. 155, in (3.4.2) replace $j = \frac{1}{2}(n_+ + n_-) = n$ by $j = \frac{1}{2}(n_+ + n_-) = \frac{1}{2}n$.
12. On p. 155, in the second line of (3.4.3) replace $|n+ - 1, n_+ + 1\rangle$ by $|n+ - 1, n_- + 1\rangle$.
13. On p. 159, in the unnumbered equation read $|j, m - 1\rangle$ rather than $|j, m\rangle$.
14. On p. 165, between (3.6.10) and (3.6.11) replace $\langle a \rangle$ by $\langle a' \rangle$.
15. On p. 178, in Problem 3-8a, the displayed equation should read $3 - 2\sigma_1 \cdot \sigma_2$ rather than $3 - \sigma_1 \cdot \sigma_2$.
16. On p. 179, in Problem 3-9, 2nd line, read “sometimes called” rather than “sometimes call”.
17. On p. 209, in (5.5.14) read $\int_{t_2}^{t_1}$ rather than $\int_{t_1}^{t_2}$.
18. On p. 230, in (6.3.9) read $p_x = \sqrt{M\hbar\omega}p$ rather than $p_x = \sqrt{m\hbar\omega}p$.
19. On p. 269, in the 2nd line after (7.1.2) read $0, \omega, 2\omega$ rather than $\omega, 2\omega, 3\omega$.
20. On p. 289, in (7.4.14) read $(1 \pm i\alpha)y_\pm$ rather than $(1 \pm i\alpha y_\pm)$.
21. On p. 296, in the first line of (7.5.8) read \( L^2 \to -(q \times \nabla) \cdot (q \times \nabla) \) rather than \( L^2 \to -(q \times \nabla) \times (q \times \nabla) \).

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

23. On p. 347, before (9.2.6) read \( i\lambda P_\lambda(\zeta) \) rather than \( i\lambda P(\zeta) \).

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

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

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

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

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