ERRATA for 13th Printing
May 26, 2006

Page viii: Third line from below must read as follows: "of friendly and warm cooperation. I thank Ron Johnson, Editor at of Springer for his tireless efforts on behalf of this book, and Chris Bostock, Daniel Keren and Jimmy Snyder for their generous help in correcting errors in the 13th printing. Finally, I thank my wife Uma..."

Page xii: Para 2, line 1, should read ".. costs were.."

Page 18: Second line of Exercise 1.4.1* 0 → |0⟩

Page 43: Equation in part (2) should read “MᵢMⱼ = -MⱼMᵢ for i ≠ j”

Page 52 3rd line from bottom: |II⟩(t) → |II⟩(t)

Page 54: The sum runs from 0 to ∞.

Page 66: In un-numbered equation above (1.10.30) lower limit of integral is L and not 0.

Page 68: (1.10.35) the first integral should be "∫∞−∞⟨x|k⟩⟨k|f⟩dk".

Page 81: 4 lines below (2.1.14): should read "...ρ = (x² + y²)½...

Page 175: Exercise 5.4.2: Line 1, "of a potential.. → "off a potential .."

Page 252: 3 lines above (10.1. 9a) should read “...X¹(1)⊗(2) ...

Page 296: Footnote should read “which does change with time ”

Exercise (12.3. 8) should read “.. particle of mass μ and charge q..”

Page 320: Eq 12.4.12: Last exponential must have an i in it.

Page 336: 5 lines from bottom should read “.. combinations of ..

Page 339: Exercise (12.5.14), last line, change (2) to (3) in Hint.

Page 430: In the un-numbered equation for U, let X' → x'
Page 446: 2 lines below (16.2. 28) should read “. neither Eq. (16.2 27) nor Eq. (16.2. 28) is ...”
Page 461: (17.2.32) second line replace $\leq$ by $\simeq$.
Page 463: Six lines above (17.2.44): ”An easier way is to extract.”
Page 464: (17.2 46) should read $W = -\frac{1}{2}\alpha\xi^2$.
Page 471: Second line $\left(\frac{1}{\tau}\right)$.
Page 485: Line above (18.3. 8b) should read ”. equation, we get”
Page 488: Line 3: ”to first order, we keep only the first power of.”
Page 496: Last line should read ”. least action) are ..”
Page 502: Line above (18.5.12) should read “.. may approximate.”
Page 507: First line penultimate para ”.coordinates..”
Page 526: Line above (19.2.5) should end with ($\varepsilon_1^2\delta_{m,+1} + \varepsilon_0^3\delta_{m,0} + \varepsilon_1^{-1}\delta_{m,-1}$)
Page 530: Eq. 193.2: $|p_i\rangle \rightarrow |p_i\rangle$
Page 533: Line 3 should read “. $r_0 = 1/\mu_0...$”
Page 539: Top line should contain only the following and nothing else: $\simeq r \left(1 - 2\frac{\tau_0}{\tau}\right)^{1/2}$
Page 564: In (20.1.8b) it should read “. + ($\frac{mc}{\hbar}$)$^{2n}$
Page 572: Top line should read “. terms make corrections..”
Page 573: Third line put a comma after first P
Page 587: 5 lines above (21.1.29), sentence should begin as follows: “Let us discuss a problem...”
Page 609: RHS of (21.1.126) should be $e^{z^2}$, RHS of (21.1.127) should end with $= e^{-z^2}$.
Page 610: Second line below Eqn.(21.1.132): “. $\langle z'|z\rangle = e^{z'^2-z^2}$
Page 614: In (21.2.3) replace $\psi(t)$ by $\psi(\tau)$ in LHS.
Page 616: Line below 921.2.17) should end as follows “case $a = A = 1$”
Page 667: Answer to 14.3.5 should read .... $+ i \left(\frac{\delta - a}{2}\right)\sigma_y + ..$
Page 673: Insert index item “Legendre polynomial 337” above Lamb shift.
Page 676 Last entry, Zeeman should have just one $n$. 