Tannor, Introduction to Quantum Mechanics, University Science Books
Errata and Corrigenda

p. 20 eq. 2.45 RHS should read

$$\left[\left\langle\left(\frac{\partial\omega}{\partial k}\right)^2\right\rangle-\left\langle\frac{\partial\omega}{\partial k}\right\rangle^2\right]^{1/2}$$

p. 21 eq. 2.54 should read

$$\left[\left\langle\left(\frac{\partial\omega}{\partial k}\right)^2\right\rangle-\left\langle\frac{\partial\omega}{\partial k}\right\rangle^2\right]^{1/2}$$

p. 189 eq. 9.24: should read

$$i\hbar\frac{\partial\Psi_I(t)}{\partial t}=\left(U_0^{-1}(t)H(t)U_0(t)-i\hbar U_0^{-1}(t)\frac{\partial U}{\partial t}\right)\Psi_I(t)$$

p. 234 eq. 10.49 - should read

$$m\ddot{\delta}q+\frac{\partial^2 V}{\partial q^2}\delta q=-\Lambda\delta q=0$$

p. 322 eq. 11.238, $e^{i\omega_k t}\rightarrow e^{-i\omega_k t}$

p. 323 eq. 11.241 $e^{i\omega_k\tau}\rightarrow e^{-i\omega_k\tau}$

p. 323 below eq. 11.243

$z_j\equiv e^{i\phi_j}\rightarrow z_j\equiv e^{-i\phi_j}$

$u_k=e^{i\omega_k\tau}\rightarrow u_k=e^{-i\omega_k\tau}$

p. 324 eq. 11.250 $d_k=\left|\left\langle u_k\middle|\Phi_0\right\rangle\right|^2=\left|\sum_{j=1}^{K}B_{jk}\left\langle\Psi_j\middle|\Phi_0\right\rangle\right|^2=\left|\sum_{j=1}^{K}B_{jk}\sum_{n=0}^{M}c_n z_j^{-n}\right|^2$

p. 325 eq. 11.256 replace *p* with 1 (4 times)

p. 325 eq. 11.257 replace *p* with 1

p. 336 below eq. 12.7: “The last two terms in 12.7” -> “The last two terms in 12.6”

p. 339 below eq. 12.15: “derivatives of the type in Eq. 12.7” -> “derivatives of the type in Eq. 12.6”

p. 358 Ex. 12.12. eq. 12.89, subscript R, r -> R’, r’

p. 358 Ex. 12.12. “Hint: adapt the procedure from Exercise 12.8” -> “Hint: adapt the procedure from Exercise 12.5”

p. 522 Fig. 16.7: change bracket type everywhere < > → ⟨ ⟩

p. 564 Fig. 17.3: change left ←→ right everywhere in the caption

Index: Absolute rate theory (delete “See also Rate constant”)

Index: AC Stark shift (delete ALL “See alsos”)