

Errata in "Principles of Quantum Mechanics", by
Ramamurti Shankar

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Page	Line	Erratum	Correction
xi	30	quite easy so adapt	quite easy to adapt
xii	15	cost were born	cost was born
3	9	do not purposely use	purposely do not use
43	6	$M^i M^j = -M^j M^i$ for $i \neq j$	$M^i M^j = -M^j M^i$ for $i \neq j$
54	24	$e^\Omega = \sum_{n=1}^{\infty}$	$e^\Omega = \sum_{n=0}^{\infty}$
66	-8	$\int_{-\infty}^{L+\Delta}$	$\int_{-\infty}^{L+\Delta}$
68	12	$\int_{-\infty}^{\infty} \langle x k \rangle \langle k f \rangle dk$	$\int_{-\infty}^{\infty} \langle x k \rangle \langle k f \rangle dk$
81	8	$\rho = (x^2 + y^2)^{1/2}$	$\rho = (x^2 + y^2)^{1/2}$
119	10	$P(\lambda) = \langle \lambda \psi \rangle ^2$	$P(\lambda) \propto \langle \lambda \psi \rangle ^2$
131	9	vice vesa	vice versa
167	21	by dotted lines in the figure.	by the dotted line in Figure 5.2.
191	1	The last terms suggests	The last term suggests
191	15	from the atomic physics to cosmology	from atomic physics to cosmology
220	19	asuming for simplicity	assuming for simplicity
252	14	$X_2^{(1) \otimes (2)}$	$X_1^{(1) \otimes (2)}$
255	12	the energy eigenvalues	the energy eigenvectors
296	-5	which does not change with time	which does change with time
317	20	$n = 2$	$n = 1$
317	-9	of charge q	of mass μ and charge q
320	16	$e^{-\theta \cdot \mathbf{L} / \hbar}$	$e^{-i\theta \cdot \mathbf{L} / \hbar}$
336	20	linear combination of each other	linear combinations of each other
337	13	Legendre Polynomial	<i>Legendre Polynomial</i>
339	6	$z \cos\theta_x + y \sin\theta_x$	$z \cos\theta_x - y \sin\theta_x$
339	10	$z \cos\theta_x - y \sin\theta_x$	$z \cos\theta_x + y \sin\theta_x$
350	3	$(pr \cos\theta) \hbar$	$(pr \cos\theta) / \hbar$
393	-2	$B \lll B_0$	$B \ll B_0$
394	-2	$\mathbf{M} = n\mu\mathbf{k}$	$\mathbf{M} = N\mu\mathbf{k}$
399	-2	1000kG	1000kG
415	13	project operators	projection operators
415	13	$j = 2j_1 = 1$	$j = 2j_1 - 1$

Page	Line	Erratum	Correction
418	24	$T_k^q jm \rangle$	$T_k^q \alpha jm \rangle$
419	-1	$\mp(J_x \pm J_y)/2^{1/2}$	$\mp(J_x \pm iJ_y)/2^{1/2}$
429	-1	minimum	minimum
430	-8	but is utility	but its utility
432	17	whose minimum lies at	whose minimum lies not at
434	22	wil	will
439	16	$\psi_n^*(X')$	$\psi_n^*(x')$
446	17	from	nor
456	8	shifted ay	shifted by
471	2	$\langle \frac{\lambda}{r^3} \rangle$	$\langle \frac{\lambda}{r^2} \rangle$
480	3	keep one only	keep only the first
485	-3	we did	we get
496	-1	path of least actions	path of least action
502	9	approximate	approximate
507	30	coordinaters	coordinates
519	6	$+\varepsilon_1^1$	ε_1^1
533	3	$r_0 = 1/\mu_0$	$r_0 = 1/\mu_0$
539	30	$\simeq r \left(1 - 2\frac{r'r'}{r^2}\right)^{1/2} + O\left[\left(\frac{r'}{r}\right)^2\right] r$	$\simeq r \left(1 - 2\frac{r'r'}{r^2}\right)^{1/2}$
564	-7	$\left(\frac{mc^2}{\hbar}\right)^2$	$\left(\frac{mc}{\hbar}\right)^2$
572	1	terms makes	terms make
573	3	$[\mathbf{P} \cdot [\mathbf{P}, v]]$	$[\mathbf{P}, [\mathbf{P}, v]]$
586	13	$\sum_{i=1}^N$	$\sum_{n=1}^N$
604	11	these coordinate	these coordinates
609	4	$e^{-z_2^* z_2}$	$e^{-z_2^* z_1}$
609	8	$e^{-z_2^* z_1}$	$e^{-z^* z}$
610	15	$e^{-z^* z}$	$e^{-z'^* z}$
614	2	$-\hbar \frac{d}{d\tau} \psi(t) \rangle = H \psi(\tau) \rangle$	$-\hbar \frac{d}{d\tau} \psi(\tau) \rangle = H \psi(\tau) \rangle$
614	-8	\prod_0^{N-1}	\prod_1^{N-1}
616	15	for the case a = 1.	for the case a = 1 and A = 1.
619	28	limitis	limits
620	1	costs	causes
620	11	$\langle -a U(\tau) a \rangle$	$\langle a U(\tau) -a \rangle$
637	14	so when one usually	usually so when one
662	15	pole as z	pole at z
673	-		Legendre polynomial 337

The items on pages 119 and 564 were submitted by Daniel Keren.