

List of errata for

Willem M. de Muynck

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pag.	line or eq.	correction
xxi	5	t'Hooft → 't Hooft
1	8	viz → viz,
30	4	$\exp(H_{\{P_m\}}(\rho)) \rightarrow \exp(-H_{\{P_m\}}(\rho))$
118	18	A measurement → In Schrödinger's approach the measurement
153	(3.31)	add: , $\rho_f = \rho(T) = U\rho\rho_a U^\dagger$ given by (3.20),
156	(3.39)	$M_j, \rightarrow M_j \forall_j,$
158	6 f.b.	non-negative → not non-negative
168	20	orthogonal → nonorthogonal
171	8 f.b.	Heisenberg's approach was → was Heisenberg's approach
172	3 f.b.	ways . → ways.
177	15	section 4.2.2 . → section 4.2.2.
182	23	<i>of quantum</i> → <i>of (standard) quantum</i>
184	14 f.b.	the <i>restricted</i> → a <i>restricted</i> the <i>wider</i> → a <i>wider</i>
188	2 f.b.	the <i>restricted</i> → a <i>restricted</i>
189	6	within the generalized formalism it only → only within the generalized formalism it
192	1	terras → terms
194	12	in the → within the
197	9	mechanical → mechanics
252	8 f.b.	viz. → viz,
363	3 f.b.	(not...one) → $((\lambda_{nm}^{-1})$ not necessarily a stochastic matrix)
371	15 f.b.	is the Shannon → is a generalization to POVMs of the Shannon
377	12	POVM, {...} → POVM {...},
394	8	Taking → Substituting
	9	$\rho = \frac{\sum_n R_{mn}}{\text{Tr} \sum_{n'} R_{mn'}}, r_n = \frac{\text{Tr} R_{mn}}{\text{Tr} \sum_{n'} R_{mn'}}, \rightarrow$ $\rho_n \rightarrow \frac{R_{mn}}{\text{Tr} R_{mn}}, p_n \rightarrow \frac{\text{Tr} R_{mn}}{\text{Tr} \sum_{n'} R_{mn'}},$ (7.107) $r_n \rightarrow p_n$
400	19	measurement . → measurement.
403	6 f.b.	simplify → simplify
412	9 f.b.	replacing → inserting in the path of
	8 f.b.	by a → a
414	2	$p_2 = \langle k_1 out \rangle ^2 \rightarrow p_2 = \langle k_2 out \rangle ^2$
	(8.15)	$R_{mn} \rightarrow (R_{mn})$
436	3	defined → defined by the matrix
452	7 f.b.	arrangements . → arrangements.
453	10 f.f.	Move sentence "We shall introduce ... pulse condition." towards end of paragraph.
455	19) , →),
	10 f.b.	viz. → viz,
458	1 f.b.	$R_{mn} \rightarrow (R_{mn})$
464	4	$\psi \rightarrow$ the parameter $\psi = \arg(S_1)$
466	16	:=→ by
	(8.105)	$\{M_{mn}\} \rightarrow (M_{mn})$
472	11 f.b.	$A_i \rightarrow A_i = \sum_{i'} a_{ii'} E_{ii'}$ $B_i \rightarrow B_i = \sum_{i'} b_{ii'} F_{ii'}$

pag.	line or eq.	correction
479	5 – 9	Replace sentence by : If the four observables involved are mutually commutative (i.e. also $[A_1, B_1]_- = [A_2, B_2]_- = O$) the Bell inequality is satisfied due to the existence of the quadrivariate probability distribution $p(a_{1i}b_{1j}a_{2k}b_{2\ell}) = Tr \rho E_{1i} F_{1j} E_{2k} F_{2\ell}$. Hence, incompatibility is necessary for violation of the Bell inequality.
571	eq. (10.31)	$(\lambda'_i \mu_i; \lambda_i \mu'_i) \rightarrow (\lambda_i \mu_i; \lambda'_i \mu'_i)$
593	6	one , \rightarrow one,
609	Footnote	add: In this appendix we put $\hbar = 1$.
610	11	relation . \rightarrow relation.
613	14	De \rightarrow The
617	(A.49)	$:= \rightarrow =$
619	13 f.b.	set vectors \rightarrow set of vectors
620	16	Assume \rightarrow Define
629	12 f.b.	the points $y(x) \rightarrow$ the points $y(x)$
632	9 f.b.	$\{ r_k\rangle\langle r_k \} \rightarrow \{\rho_k\}$, $\rho_k = r_k\rangle\langle r_k $
633	2	$\sum_n p_n Tr \rho_n P_m \ln \sum_{n'} p_{n'} Tr \rho_{n'} P_m \rightarrow \sum_{mn} p_n Tr \rho_n P_m \ln \sum_{n'} p_{n'} Tr \rho_{n'} P_m$
	6 f.b.	e.g. [321] \rightarrow e.g. McEliece [321]
637	9	covering \rightarrow partition
	(A.101)	$, \cap \rightarrow \cap$
638	14 f.b.	the extreme \rightarrow an extreme
	13 f.b.	$\delta_{i0} \rightarrow \delta_{ij}$
645	10	$\sigma_x, \sigma_y \rightarrow \sigma_y, \sigma_z$
653	[78]	empiricists \rightarrow empiricist
656	4	Martiensen \rightarrow Martienssen
665	16	<i>Journ. of Phys.</i> 24A , L175 \rightarrow <i>J. Phys. A : Math. Gen.</i> 24 , L175 – L178
	18	June 1990 \rightarrow 43 , Issue 6, 9-11 (1990)